

SEVERN  
TRENT

STL®

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## ANALYTICAL REPORT

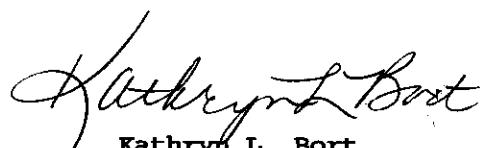
Langan/AE Polysilicon Site

Lot #: C7E150154

Judd Herr

Langan Engineering & Environment  
2700 Kelly Road  
Suite 200  
Warrington, PA 18976

SEVERN TRENT LABORATORIES, INC.



Kathryn L. Bort  
Project Manager

June 12, 2007

# STL



## NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	( #03-022-1)	WW HW	X X
California – nelac	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – nelac	(#E87660)	WW HW	X X
Illinois – nelac	(#200005)	WW HW	X X
Kansas – nelac	(#E-10350)	WW HW	X X
Louisiana – nelac	(#93200)	WW HW	X X
New Hampshire – nelac	(#203002)	WW --	X --
New Jersey – nelac	(PA-005)	WW HW	X X
New York – nelac	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Ohio Vap	(#CL0063)	WW HW	X X
Pennsylvania - nelac	(#02-00416)	WW HW	X X
South Carolina	(#89014001)	WW HW	X X
Utah – nelac	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

- HW Hazardous Waste certification
- WW Non-potable Water and/or Wastewater certification
- X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 04/27/06

## CASE NARRATIVE

Langan

STL Lot # C7E150154

### Sample Receiving:

STL Pittsburgh received one sample on May 15, 2007. The coolers were received within the proper temperature range.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

### GC/MS Volatiles:

All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The following compounds had the %D > 25% in the calibration verification standard CC40517; but were within expected performance range for these compounds: Acetone – 34.8% and Dichlorodifluoromethane – 29.5%.

The following compounds had the %D > 25% in the calibration verification standard CC40518; but were within expected performance range for these compounds: Chloroethane – 41.1%, Dichlorodifluoromethane – 35.1% and Trichlorofluormethane – 25.6%.

The method blank for batch 7141249 had methylene chloride detected below the reporting limit but above the MDL. The result was flagged with a "J" qualifier. Any sample associated with this blank that had methylene chloride detected had the result flagged with a "B" qualifier.

### GC/MS Semivolatiles:

All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The reporting limits for the aqueous sample were adjusted according to the amount of sample extracted.

Due to matrix interference, sample AETP-4\_1.5-2.0 was analyzed at a dilution.

## CASE NARRATIVE

**Langan**

STL Lot # C7E150154

### **GC/MS Semivolatiles SIM:**

The samples required both full scan 8270 and SIM analysis. The samples were analyzed from a single extract. The samples were spiked with regular 8270 surrogate and matrix spiking solutions. The QC establishing extraction performance is reported from the full scan 8270 analysis. The spike data is above the calibration range for the SIM analysis. These spikes would therefore not be expected to be within range for the SIM analysis and are therefore not reported on the SIM result forms. The injection performance on the SIM analysis may be monitored through the IS recoveries. The surrogate information is also available for qualitative review in the raw SIM data.

The reporting limits for the aqueous sample were adjusted according to the amount of sample extracted.

Due to the concentration of compounds detected, several samples were analyzed at a dilution.

### **PCBs:**

The reporting limits for the aqueous sample were adjusted according to the amount of sample extracted.

### **Metals:**

The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

Samples 039 AETP-1 and 040 AETP-1 were over the instrument's linear range for iron and manganese, and required dilution.

### **General Chemistry:**

There were no problems associated with the analysis.

## METHODS SUMMARY

C7E150154

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
ICP-MS (6020)	SW846 6020	SW846 3010
ICP-MS (6020)	SW846 6020	SW846 3050B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
PCBs by SW-846 8082	SW846 8082	SW846 3510C
PCBs by SW-846 8082	SW846 8082	SW846 3541
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3541
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035
8270C (SIM)	SW846 8270C SIM	SW846 3520C
8270C (SIM)	SW846 8270C SIM	SW846 3541

### References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

C7E150154

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JWONM	001	AETP-8_1.5-2.0	05/14/07	07:55
JWONN	002	AETP-8_14.5-15.0	05/14/07	08:10
JWONR	003	AETP-3_1.5-2.0	05/14/07	09:00
JWONT	004	AETP-3_10.5-11.0	05/14/07	09:28
JWONW	005	FB-4	05/14/07	09:45
JWONO	006	TB-4	05/14/07	10:00
JWON1	007	AETP-1_1.5-2.0	05/14/07	10:30
JWON2	008	AETP-1_12.5-13.0	05/14/07	10:45
JWON3	009	AETP-7_1.5-2.0	05/14/07	12:00
JWON4	010	AETP-7_4.0-4.5	05/14/07	13:10
JWON5	011	AETP-4_1.5-2.0	05/14/07	13:55
JWON7	012	AETP-4_5.5-6.0	05/14/07	14:20

## NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

**ELANGAN**  
ENGINEERING & ENVIRONMENTAL SERVICES

## **CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST**

PAGE ONE

Metals Filtered (Yes/No)? Yes Total No. of Containers: 55 Must meet PADER Standards & MSC's  
Aq. VOAs Pres. (Yes/No)? Yes  
Brush T/A Record format Yes Contingent analysis:  
Standard T/A All Samples are 100%

Relinquished By:	Received By:
(1) 	DATE: 5-14-67 TIME: 1525 Company: <u>Frank Sharp</u>
Company: <u>Larcom</u>	TIME: Company:
Relinquished By:	Received By:
(2)	DATE: TIME: Company:
Relinquished By:	Received By:
(3)	DATE: TIME: Company:
Company:	TIME: Company:
Relinquished By:	Received By:
(4)	DATE: TIME: Company:
Company:	TIME: Company:

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-001    Work Order #....: JW0NM1AA    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/18/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7138067    Analysis Time...: 09:50  
 Dilution Factor: 1.03  
 % Moisture.....: 12    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	24	ug/kg
Benzene	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
Bromomethane	ND	5.9	ug/kg
2-Butanone	ND	5.9	ug/kg
Carbon disulfide	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Chloroethane	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
Chloromethane	ND	5.9	ug/kg
Cyclohexane	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,2-Dibromo-3-chloro- propane	ND	5.9	ug/kg
1,2-Dibromoethane	ND	5.9	ug/kg
1,3-Dichlorobenzene	ND	5.9	ug/kg
1,4-Dichlorobenzene	ND	5.9	ug/kg
1,2-Dichlorobenzene	ND	5.9	ug/kg
Dichlorodifluoromethane	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
cis-1,2-Dichloroethene	ND	5.9	ug/kg
trans-1,2-Dichloroethene	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
2-Hexanone	ND	5.9	ug/kg
Isopropylbenzene	ND	5.9	ug/kg
Methyl acetate	ND	5.9	ug/kg
Methylene chloride	ND	5.9	ug/kg
Methylcyclohexane	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	5.9	ug/kg
Methyl tert-butyl ether	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-001 Work Order #....: JW0NM1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
1,2,4-Trichloro- benzene	ND	5.9	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Trichlorofluoromethane	ND	5.9	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Vinyl chloride	ND	5.9	ug/kg
Xylenes (total)	ND	18	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	85	(52 - 124)	
Toluene-d8	103	(72 - 127)	
4-Bromofluorobenzene	98	(63 - 120)	
Dibromofluoromethane	91	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-001    Work Order #....: JW0NM1AC    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/11/07  
 Prep Batch #....: 7138010    Analysis Time...: 12:52  
 Dilution Factor: 1  
 % Moisture.....: 12    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetophenone	ND	380	ug/kg
Atrazine	ND	380	ug/kg
Benzaldehyde	ND	380	ug/kg
1,1'-Biphenyl	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
bis(2-Chloroethyl)- ether	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
Caprolactam	ND	380	ug/kg
Carbazole	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Choronaphthalene	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Dibenzofuran	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1800	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
2,4-Dinitrotoluene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
Hexachlorocyclopenta- diene	ND	1800	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-001 Work Order #....: JW0NM1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
3-Nitroaniline	ND	1800	ug/kg
4-Nitroaniline	ND	1800	ug/kg
Nitrobenzene	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
4-Nitrophenol	ND	1800	ug/kg
N-Nitrosodi-n-propyl-amine	ND	380	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenol	ND	380	ug/kg
2,4,5-Trichloro-phenol	ND	380	ug/kg
2,4,6-Trichloro-phenol	ND	380	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	80	(21 - 144)
2-Fluorobiphenyl	77	(26 - 128)
2-Fluorophenol	73	(34 - 115)
Nitrobenzene-d5	69	(30 - 118)
Phenol-d5	75	(35 - 117)
Terphenyl-d14	108	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-001    Work Order #....: JW0NM1AD    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 06:51  
 Dilution Factor: 1  
 % Moisture.....: 12    Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Naphthalene	3.8 J	7.6	ug/kg
Acenaphthylene	81	7.6	ug/kg
Acenaphthene	8.8	7.6	ug/kg
Fluorene	11	7.6	ug/kg
Phenanthrene	45	7.6	ug/kg
Anthracene	93	7.6	ug/kg
Fluoranthene	150	7.6	ug/kg
Pyrene	160	7.6	ug/kg
Benzo(a)anthracene	140	7.6	ug/kg
Chrysene	160	7.6	ug/kg
Benzo(b)fluoranthene	300	7.6	ug/kg
Benzo(k)fluoranthene	100	7.6	ug/kg
Benzo(a)pyrene	190	7.6	ug/kg
Indeno(1,2,3-cd)pyrene	150	7.6	ug/kg
Dibenzo(a,h)anthracene	43	7.6	ug/kg
Benzo(ghi)perylene	180	7.6	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-001    Work Order #....: JW0NM1A7    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 18:02  
 Dilution Factor: 1  
 % Moisture.....: 12    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	ND	19	ug/kg
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
Aroclor 1254	ND	19	ug/kg
Aroclor 1260	ND	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	92	(31 - 127)	
Decachlorobiphenyl	110	(23 - 141)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

## TOTAL Metals

Lot-Sample #....: C7E150154-001

Date Sampled...: 05/14/07

Date Received..: 05/15/07

Matrix.....: SOLID

% Moisture....: 12

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7136254						
Silver	0.021 B	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AF	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Arsenic	3.7	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AH	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Beryllium	0.35	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AK	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Cadmium	0.14	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AM	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Chromium	22.7 J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AP	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Copper	9.4 J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AQ	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Nickel	10.1 J	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AX	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Lead	12.4	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWONM1AO	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Selenium	0.46 B	0.57	mg/kg	SW846 6020		05/17-05/24/07 JWONM1A1	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Thallium	0.045 B,J	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWONM1A2	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Antimony	0.053 B,J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWONM1A3	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	
Zinc	42.0 J	0.57	mg/kg	SW846 6020		05/17-05/24/07 JWONM1A5	
		Dilution Factor: 1		Analysis Time...: 23:18		MS Run #.....: 7136140	

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Langan Engineering & Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

**TOTAL Metals**

Lot-Sample #....: C7E150154-001

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
<b>Prep Batch #....: 7156123</b>								
Mercury	ND	0.038	mg/kg	SW846 7471A	06/05/07	JW0NM1A6	Dilution Factor: 1 Analysis Time.: 14:13 MS Run #:.....: 7156072	

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-8\_1.5-2.0

General Chemistry

Lot-Sample #....: C7E150154-001    Work Order #....: JWONM    Matrix.....: SOLID  
Date Sampled...: 05/14/07    Date Received..: 05/15/07  
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	87.6		%	MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time..: 15:10	MS Run #.....:	7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-002    Work Order #....: JW0NN1AK    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 14:08  
 Dilution Factor: 1.03  
 % Moisture.....: 19    Method.....: SW846 8260B

PARAMETER	REPORTING		
	RESULT	LIMIT	UNITS
Acetone	ND	26	ug/kg
Benzene	ND	6.4	ug/kg
Bromodichloromethane	ND	6.4	ug/kg
Bromoform	ND	6.4	ug/kg
Bromomethane	ND	6.4	ug/kg
2-Butanone	ND	6.4	ug/kg
Carbon disulfide	ND	6.4	ug/kg
Carbon tetrachloride	ND	6.4	ug/kg
Chlorobenzene	ND	6.4	ug/kg
Chloroethane	ND	6.4	ug/kg
Chloroform	ND	6.4	ug/kg
Chloromethane	ND	6.4	ug/kg
Cyclohexane	ND	6.4	ug/kg
Dibromochloromethane	ND	6.4	ug/kg
1,2-Dibromo-3-chloro-propane	ND	6.4	ug/kg
1,2-Dibromoethane	ND	6.4	ug/kg
1,3-Dichlorobenzene	ND	6.4	ug/kg
1,4-Dichlorobenzene	ND	6.4	ug/kg
1,2-Dichlorobenzene	ND	6.4	ug/kg
Dichlorodifluoromethane	ND	6.4	ug/kg
1,1-Dichloroethane	ND	6.4	ug/kg
1,2-Dichloroethane	ND	6.4	ug/kg
1,1-Dichloroethene	ND	6.4	ug/kg
cis-1,2-Dichloroethene	ND	6.4	ug/kg
trans-1,2-Dichloroethene	ND	6.4	ug/kg
1,2-Dichloropropane	ND	6.4	ug/kg
cis-1,3-Dichloropropene	ND	6.4	ug/kg
trans-1,3-Dichloropropene	ND	6.4	ug/kg
Ethylbenzene	ND	6.4	ug/kg
2-Hexanone	ND	6.4	ug/kg
Isopropylbenzene	ND	6.4	ug/kg
Methyl acetate	ND	6.4	ug/kg
Methylene chloride	2.1 J	6.4	ug/kg
Methylcyclohexane	ND	6.4	ug/kg
4-Methyl-2-pentanone	ND	6.4	ug/kg
Methyl tert-butyl ether	ND	6.4	ug/kg
Styrene	ND	6.4	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-002 Work Order #....: JW0NN1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	6.4	ug/kg
1,2,4-Trichloro- benzene	ND	6.4	ug/kg
Tetrachloroethene	ND	6.4	ug/kg
1,1,1-Trichloroethane	ND	6.4	ug/kg
1,1,2-Trichloroethane	ND	6.4	ug/kg
Trichloroethene	ND	6.4	ug/kg
Trichlorofluoromethane	ND	6.4	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.4	ug/kg
Toluene	ND	6.4	ug/kg
Vinyl chloride	ND	6.4	ug/kg
Xylenes (total)	ND	19	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	89	(52 - 124)	
Toluene-d8	104	(72 - 127)	
4-Bromofluorobenzene	97	(63 - 120)	
Dibromofluoromethane	93	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-002    Work Order #....: JW0NN1AL    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/08/07  
 Prep Batch #....: 7138010    Analysis Time...: 15:41  
 Dilution Factor: 1  
 % Moisture.....: 19    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	410	ug/kg
Atrazine	ND	410	ug/kg
Benzaldehyde	ND	410	ug/kg
1,1'-Biphenyl	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
bis(2-Chloroethyl)- ether	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
Caprolactam	ND	410	ug/kg
Carbazole	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Dibenzofuran	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
4,6-Dinitro- 2-methylphenol	ND	2000	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
2,4-Dinitrotoluene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
Hexachlorocyclopenta- diene	ND	2000	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-002 Work Order #....: JW0NN1AL Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Hexachloroethane	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
3-Nitroaniline	ND	2000	ug/kg
4-Nitroaniline	ND	2000	ug/kg
Nitrobenzene	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
4-Nitrophenol	ND	2000	ug/kg
N-Nitrosodi-n-propyl-amine	ND	410	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenol	ND	410	ug/kg
2,4,5-Trichloro-phenol	ND	410	ug/kg
2,4,6-Trichloro-phenol	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	77	(21 - 144)
2-Fluorobiphenyl	64	(26 - 128)
2-Fluorophenol	70	(34 - 115)
Nitrobenzene-d5	60	(30 - 118)
Phenol-d5	68	(35 - 117)
Terphenyl-d14	96	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-002    Work Order #....: JWONN1AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 07:19  
 Dilution Factor: 1  
 % Moisture.....: 19    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	ND	8.3	ug/kg
Acenaphthylene	ND	8.3	ug/kg
Acenaphthene	ND	8.3	ug/kg
Fluorene	ND	8.3	ug/kg
Phenanthrene	3.4 J	8.3	ug/kg
Anthracene	ND	8.3	ug/kg
Fluoranthene	ND	8.3	ug/kg
Pyrene	1.6 J	8.3	ug/kg
Benzo(a)anthracene	ND	8.3	ug/kg
Chrysene	ND	8.3	ug/kg
Benzo(b)fluoranthene	ND	8.3	ug/kg
Benzo(k)fluoranthene	ND	8.3	ug/kg
Benzo(a)pyrene	ND	8.3	ug/kg
Indeno(1,2,3-cd)pyrene	ND	8.3	ug/kg
Dibenzo(a,h)anthracene	ND	8.3	ug/kg
Benzo(ghi)perylene	ND	8.3	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-002    Work Order #....: JW0NN1AJ    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 19:11  
 Dilution Factor: 1  
 \* Moisture.....: 19    Method.....: SW846 8082

<u>PARAMETER</u>	REPORTING		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	21	ug/kg
Aroclor 1221	ND	21	ug/kg
Aroclor 1232	ND	21	ug/kg
Aroclor 1242	ND	21	ug/kg
Aroclor 1248	ND	21	ug/kg
Aroclor 1254	ND	21	ug/kg
Aroclor 1260	ND	21	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	83	(31 - 127)
Decachlorobiphenyl	86	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

## TOTAL Metals

Lot-Sample #....: C7E150154-002

Matrix.....: SOLID

Date Sampled...: 05/14/07

Date Received..: 05/15/07

% Moisture....: 19

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7136254						
Silver	0.0099 B	0.12	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AP	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Arsenic	3.5	0.12	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AR	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Beryllium	0.30	0.12	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AU	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Cadmium	0.087 B	0.12	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AW	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Chromium	7.4 J	0.25	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AO	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Copper	11.4 J	0.25	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AJ	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Nickel	13.1 J	0.12	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1A7	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Lead	7.5	0.12	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AA	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Selenium	0.31 B	0.62	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AC	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Thallium	0.041 B,J	0.12	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AD	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Antimony	0.043 B,J	0.25	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AE	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	
Zinc	31.3 J	0.62	mg/kg	SW846 6020		05/17-05/24/07 JW0NN1AG	
		Dilution Factor: 1		Analysis Time...: 23:22		MS Run #.....: 7136140	

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Langan Engineering & Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

**TOTAL Metals**

Lot-Sample #....: C7E150154-002

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS	METHOD					
Prep Batch #....:	7156123								
Mercury	ND	0.041	mg/kg	SW846 7471A	Dilution Factor: 1	Analysis Time...: 14:18	06/05/07	JWONN1AH	MS Run #.....: 7156072

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-8\_14.5-15.0

General Chemistry

Lot-Sample #....: C7E150154-002    Work Order #....: JW0NN    Matrix.....: SOLID  
Date Sampled...: 05/14/07    Date Received..: 05/15/07  
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
			%		ANALYSIS DATE	BATCH #
Percent Solids	80.5		%	MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time..: 15:10	MS Run #.....:	7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-003    Work Order #....: JWONR1AK    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #:.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 14:32  
 Dilution Factor: 0.9  
 % Moisture.....: 26    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	24	ug/kg
Benzene	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
Bromomethane	ND	6.1	ug/kg
2-Butanone	ND	6.1	ug/kg
Carbon disulfide	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Chloroethane	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
Chloromethane	ND	6.1	ug/kg
Cyclohexane	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,2-Dibromo-3-chloro-propane	ND	6.1	ug/kg
1,2-Dibromoethane	ND	6.1	ug/kg
1,3-Dichlorobenzene	ND	6.1	ug/kg
1,4-Dichlorobenzene	ND	6.1	ug/kg
1,2-Dichlorobenzene	ND	6.1	ug/kg
Dichlorodifluoromethane	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
cis-1,2-Dichloroethene	ND	6.1	ug/kg
trans-1,2-Dichloroethene	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
2-Hexanone	ND	6.1	ug/kg
Isopropylbenzene	ND	6.1	ug/kg
Methyl acetate	ND	6.1	ug/kg
Methylene chloride	ND	6.1	ug/kg
Methylcyclohexane	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	6.1	ug/kg
Methyl tert-butyl ether	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-003 Work Order #....: JW0NR1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
1,2,4-Trichloro- benzene	ND	6.1	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Trichlorofluoromethane	ND	6.1	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Vinyl chloride	ND	6.1	ug/kg
Xylenes (total)	ND	18	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	96	(52 - 124)
Toluene-d8	110	(72 - 127)
4-Bromofluorobenzene	95	(63 - 120)
Dibromofluoromethane	97	(68 - 121)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-003    Work Order #....: JW0NR1AL    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/08/07  
 Prep Batch #....: 7138010    Analysis Time...: 16:05  
 Dilution Factor: 1  
 % Moisture.....: 26    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetophenone	ND	450	ug/kg
Atrazine	ND	450	ug/kg
Benzaldehyde	ND	450	ug/kg
1,1'-Biphenyl	ND	450	ug/kg
bis(2-Chloroethoxy) methane	ND	450	ug/kg
bis(2-Chloroethyl)- ether	ND	450	ug/kg
bis(2-Ethylhexyl) phthalate	ND	450	ug/kg
4-Bromophenyl phenyl ether	ND	450	ug/kg
Butyl benzyl phthalate	36 J	450	ug/kg
Caprolactam	ND	450	ug/kg
Carbazole	120 J	450	ug/kg
4-Chloroaniline	ND	450	ug/kg
4-Chloro-3-methylphenol	ND	450	ug/kg
2-Chloronaphthalene	ND	450	ug/kg
2-Chlorophenol	ND	450	ug/kg
4-Chlorophenyl phenyl ether	ND	450	ug/kg
Dibenzofuran	120 J	450	ug/kg
3,3'-Dichlorobenzidine	ND	2200	ug/kg
2,4-Dichlorophenol	ND	450	ug/kg
Diethyl phthalate	ND	450	ug/kg
2,4-Dimethylphenol	ND	450	ug/kg
Dimethyl phthalate	ND	450	ug/kg
Di-n-butyl phthalate	ND	450	ug/kg
4,6-Dinitro- 2-methylphenol	ND	2200	ug/kg
2,4-Dinitrophenol	ND	2200	ug/kg
2,4-Dinitrotoluene	ND	450	ug/kg
2,6-Dinitrotoluene	ND	450	ug/kg
Di-n-octyl phthalate	ND	450	ug/kg
Hexachlorobenzene	ND	450	ug/kg
Hexachlorobutadiene	ND	450	ug/kg
Hexachlorocyclopenta- diene	ND	2200	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-003 Work Order #....: JW0NR1AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	450	ug/kg
Isophorone	ND	450	ug/kg
<b>2-Methylnaphthalene</b>	<b>68 J</b>	<b>450</b>	<b>ug/kg</b>
2-Methylphenol	ND	450	ug/kg
4-Methylphenol	ND	450	ug/kg
2-Nitroaniline	ND	2200	ug/kg
3-Nitroaniline	ND	2200	ug/kg
4-Nitroaniline	ND	2200	ug/kg
Nitrobenzene	ND	450	ug/kg
2-Nitrophenol	ND	450	ug/kg
4-Nitrophenol	ND	2200	ug/kg
N-Nitrosodi-n-propyl-amine	ND	450	ug/kg
N-Nitrosodiphenylamine	ND	450	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	450	ug/kg
Pentachlorophenol	ND	2200	ug/kg
Phenol	ND	450	ug/kg
2,4,5-Trichloro-phenol	ND	450	ug/kg
2,4,6-Trichloro-phenol	ND	450	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	76	(21 - 144)
2-Fluorobiphenyl	76	(26 - 128)
2-Fluorophenol	67	(34 - 115)
Nitrobenzene-d5	68	(30 - 118)
Phenol-d5	79	(35 - 117)
Terphenyl-d14	93	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-003    Work Order #....: JWONR1AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 15:17  
 Dilution Factor: 10  
 † Moisture.....: 26    Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Naphthalene	76 J	90	ug/kg
Acenaphthylene	550	90	ug/kg
Acenaphthene	210	90	ug/kg
Fluorene	440	90	ug/kg
Phenanthrene	2700	90	ug/kg
Anthracene	1100	90	ug/kg
Fluoranthene	3600	90	ug/kg
Pyrene	2900	90	ug/kg
Benzo (a)anthracene	2200	90	ug/kg
Chrysene	2200	90	ug/kg
Benzo (b)fluoranthene	2800	90	ug/kg
Benzo (k)fluoranthene	ND	90	ug/kg
Benzo (a)pyrene	1900	90	ug/kg
Indeno(1,2,3-cd)pyrene	1100	90	ug/kg
Dibenzo (a,h)anthracene	380	90	ug/kg
Benzo (ghi)perylene	1300	90	ug/kg

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-003    Work Order #....: JW0NR1AJ    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 19:35  
 Dilution Factor: 1  
 \* Moisture.....: 26    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	23	ug/kg
Aroclor 1221	ND	23	ug/kg
Aroclor 1232	ND	23	ug/kg
Aroclor 1242	ND	23	ug/kg
Aroclor 1248	ND	23	ug/kg
Aroclor 1254	ND	23	ug/kg
Aroclor 1260	42	23	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	82	(31 - 127)
Decachlorobiphenyl	84	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

## TOTAL Metals

Lot-Sample #....: C7E150154-003

Date Sampled....: 05/14/07

Date Received...: 05/15/07

Matrix.....: SOLID

% Moisture.....: 26

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7136254						
Silver	0.062 B	0.14	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AP	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Arsenic	3.6	0.14	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AR	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Beryllium	1.3	0.14	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AU	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Cadmium	0.29	0.14	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AW	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Chromium	17.2 J	0.27	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AO	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Copper	64.9 J	0.27	mg/kg	SW846 6020		05/17-05/24/07 JWONR1A1	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Nickel	12.7 J	0.14	mg/kg	SW846 6020		05/17-05/24/07 JWONR1A7	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Lead	60.5	0.14	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AA	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Selenium	0.65 B	0.68	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AC	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Thallium	0.068 B,J	0.14	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AD	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Antimony	0.14 B,J	0.27	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AE	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	
Zinc	395 J	0.68	mg/kg	SW846 6020		05/17-05/24/07 JWONR1AG	
		Dilution Factor: 1		Analysis Time...: 23:38		MS Run #.....: 7136140	

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Langan Engineering & Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

**TOTAL Metals**

Lot-Sample #....: C7E150154-003

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....:	7156123							
Mercury	0.030 B	0.045	mg/kg	SW846 7471A			06/05/07	JW0NR1AH
		Dilution Factor: 1		Analysis Time...: 14:20			MS Run #.....:	7156072

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-3\_1.5-2.0

General Chemistry

Lot-Sample #....: C7E150154-003 Work Order #....: JWONR Matrix.....: SOLID  
Date Sampled...: 05/14/07 Date Received..: 05/15/07  
% Moisture.....: 26

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	74.0		%	MCANW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor: 1		Analysis Time.: 15:10		MS Run #:.....: 7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-004    Work Order #....: JWONT1AK    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 14:56  
 Dilution Factor: 1.01  
 \* Moisture.....: 11    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	17 J	23	ug/kg
Benzene	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
Bromomethane	ND	5.7	ug/kg
2-Butanone	ND	5.7	ug/kg
Carbon disulfide	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Chloroethane	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
Chloromethane	ND	5.7	ug/kg
Cyclohexane	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,2-Dibromo-3-chloro-propane	ND	5.7	ug/kg
1,2-Dibromoethane	ND	5.7	ug/kg
1,3-Dichlorobenzene	ND	5.7	ug/kg
1,4-Dichlorobenzene	ND	5.7	ug/kg
1,2-Dichlorobenzene	ND	5.7	ug/kg
Dichlorodifluoromethane	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
1,1-Dichloroethene	ND	5.7	ug/kg
cis-1,2-Dichloroethene	ND	5.7	ug/kg
trans-1,2-Dichloroethene	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
2-Hexanone	ND	5.7	ug/kg
Isopropylbenzene	ND	5.7	ug/kg
Methyl acetate	ND	5.7	ug/kg
Methylene chloride	1.1 J	5.7	ug/kg
Methylcyclohexane	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	5.7	ug/kg
Methyl tert-butyl ether	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-004 Work Order #....: JWONTIAK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
1,2,4-Trichloro- benzene	ND	5.7	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Trichlorofluoromethane	ND	5.7	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Vinyl chloride	ND	5.7	ug/kg
Xylenes (total)	ND	17	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	87	(52 - 124)	
Toluene-d8	105	(72 - 127)	
4-Bromofluorobenzene	91	(63 - 120)	
Dibromofluoromethane	90	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-004    Work Order #....: JWONT1AL    Matrix.....: SOLID  
 Date Sampled...: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/08/07  
 Prep Batch #....: 7138010    Analysis Time...: 16:29  
 Dilution Factor: 1  
 \* Moisture.....: 11    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetophenone	ND	370	ug/kg
Atrazine	ND	370	ug/kg
Benzaldehyde	ND	370	ug/kg
1,1'-Biphenyl	ND	370	ug/kg
bis(2-Chloroethoxy) methane	ND	370	ug/kg
bis(2-Chloroethyl)- ether	ND	370	ug/kg
bis(2-Ethylhexyl) phthalate	ND	370	ug/kg
4-Bromophenyl phenyl ether	ND	370	ug/kg
Butyl benzyl phthalate	36 J	370	ug/kg
Caprolactam	ND	370	ug/kg
Carbazole	35 J	370	ug/kg
4-Chloroaniline	ND	370	ug/kg
4-Chloro-3-methylphenol	ND	370	ug/kg
2-Chloronaphthalene	ND	370	ug/kg
2-Chlorophenol	ND	370	ug/kg
4-Chlorophenyl phenyl ether	ND	370	ug/kg
Dibenzofuran	41 J	370	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
2,4-Dichlorophenol	ND	370	ug/kg
Diethyl phthalate	ND	370	ug/kg
2,4-Dimethylphenol	ND	370	ug/kg
Dimethyl phthalate	ND	370	ug/kg
Di-n-butyl phthalate	ND	370	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1800	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
2,4-Dinitrotoluene	ND	370	ug/kg
2,6-Dinitrotoluene	ND	370	ug/kg
Di-n-octyl phthalate	ND	370	ug/kg
Hexachlorobenzene	ND	370	ug/kg
Hexachlorobutadiene	ND	370	ug/kg
Hexachlorocyclopenta- diene	ND	1800	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-004 Work Order #....: JW0NTIAL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	370	ug/kg
Isophorone	ND	370	ug/kg
<b>2-Methylnaphthalene</b>	<b>41 J</b>	<b>370</b>	<b>ug/kg</b>
2-Methylphenol	ND	370	ug/kg
4-Methylphenol	ND	370	ug/kg
2-Nitroaniline	ND	1800	ug/kg
3-Nitroaniline	ND	1800	ug/kg
4-Nitroaniline	ND	1800	ug/kg
Nitrobenzene	ND	370	ug/kg
2-Nitrophenol	ND	370	ug/kg
4-Nitrophenol	ND	1800	ug/kg
N-Nitrosodi-n-propyl-amine	ND	370	ug/kg
N-Nitrosodiphenylamine	ND	370	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	370	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenol	ND	370	ug/kg
2,4,5-Trichloro-phenol	ND	370	ug/kg
2,4,6-Trichloro-phenol	ND	370	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	61	(21 - 144)
2-Fluorobiphenyl	58	(26 - 128)
2-Fluorophenol	55	(34 - 115)
Nitrobenzene-d5	54	(30 - 118)
Phenol-d5	62	(35 - 117)
Terphenyl-d14	73	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AFTP-3\_10.5-11.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-004    Work Order #....: JWONT1AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 08:15  
 Dilution Factor: 10  
 % Moisture.....: 11    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Naphthalene	70 J	75	ug/kg
Acenaphthylene	590	75	ug/kg
Acenaphthene	58 J	75	ug/kg
Fluorene	96	75	ug/kg
Phenanthrene	410	75	ug/kg
Anthracene	330	75	ug/kg
Fluoranthene	1100	75	ug/kg
Pyrene	1100	75	ug/kg
Benzo(a)anthracene	900	75	ug/kg
Chrysene	950	75	ug/kg
Benzo(b)fluoranthene	1300	75	ug/kg
Benzo(k)fluoranthene	590	75	ug/kg
Benzo(a)pyrene	1100	75	ug/kg
Indeno(1,2,3-cd)pyrene	830	75	ug/kg
Dibenzo(a,h)anthracene	250	75	ug/kg
Benzo(ghi)perylene	1000	75	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-004    Work Order #....: JWONT1AJ    Matrix.....: SOLID  
 Date Sampled...: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 19:58  
 Dilution Factor: 1  
 % Moisture.....: 11    Method.....: SW846 8082

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	ND	19	ug/kg
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
Aroclor 1254	ND	19	ug/kg
Aroclor 1260	47	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
	<u>RECOVERY</u>	<u>PERCENT</u>	
Tetrachloro-m-xylene	81		(31 - 127)
Decachlorobiphenyl	80		(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

## TOTAL Metals

Lot-Sample #...: C7E150154-004

Matrix.....: SOLID

Date Sampled...: 05/14/07

Date Received...: 05/15/07

% Moisture....: 11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...:	7136254					
Silver	0.060 B	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AP	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Arsenic	3.5	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AR	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Beryllium	1.2	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AU	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Cadmium	0.40	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AW	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Chromium	13.9 J	0.23	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AO	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Copper	71.1 J	0.23	mg/kg	SW846 6020	05/17-05/24/07 JWONT1A1	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Nickel	13.7 J	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWONT1A7	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Lead	125	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AA	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Selenium	0.66	0.56	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AC	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Thallium	0.093 B,J	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AD	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Antimony	0.15 B,J	0.23	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AE	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140
Zinc	320 J	0.56	mg/kg	SW846 6020	05/17-05/24/07 JWONT1AG	
		Dilution Factor: 1		Analysis Time...: 23:42	MS Run #.....:	7136140

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

## TOTAL Metals

Lot-Sample #....: C7E150154-004

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	7156123					
Mercury	0.45	0.037	mg/kg	SW846 7471A	06/05/07	JWONT1AH
		Dilution Factor:	1	Analysis Time...: 14:22	MS Run #.....:	7156072

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-3\_10.5-11.0

General Chemistry

Lot-Sample #....: C7E150154-004    Work Order #....: JWONT    Matrix.....: SOLID  
Date Sampled...: 05/14/07    Date Received..: 05/15/07  
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
			%		ANALYSIS DATE	BATCH #
Percent Solids	88.5			MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time...: 15:10	MS Run #.....:	7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: FB-4

## GC/MS Volatiles

Lot-Sample #....: C7E150154-005    Work Order #....: JW0NW1AD    Matrix.....: WATER  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7141145  
 Prep Date.....: 05/21/07    Analysis Date...: 05/21/07  
 Prep Batch #....: 7141249    Analysis Time...: 16:45  
 Dilution Factor: 1

Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
<b>Chloromethane</b>	<b>0.14 J</b>	<b>1.0</b>	<b>ug/L</b>
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	1.0	ug/L
<b>Methylene chloride</b>	<b>0.66 J,B</b>	<b>1.0</b>	<b>ug/L</b>
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: FB-4

## GC/MS Volatiles

Lot-Sample #....: C7E150154-005 Work Order #....: JWONW1AD Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Toluene-d8	91	(71 - 118)	
1,2-Dichloroethane-d4	118	(64 - 135)	
4-Bromofluorobenzene	91	(70 - 118)	
Dibromofluoromethane	113	(64 - 128)	

NOTE(S) :

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: FB-4

## GC/MS Semivolatiles

**Lot-Sample #....:** C7E150154-005    **Work Order #....:** JWONW1AA    **Matrix.....:** WATER  
**Date Sampled....:** 05/14/07    **Date Received...:** 05/15/07    **MS Run #.....:**  
**Prep Date.....:** 05/18/07    **Analysis Date...:** 05/21/07  
**Prep Batch #....:** 7138205    **Analysis Time...:** 09:09  
**Dilution Factor:** 0.96

**Method.....:** SW846 8270C

<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING</b>	
		<b>LIMIT</b>	<b>UNITS</b>
Acetophenone	ND	9.6	ug/L
Atrazine	ND	9.6	ug/L
Benzaldehyde	ND	9.6	ug/L
1,1'-Biphenyl	ND	9.6	ug/L
bis(2-Chloroethoxy) methane	ND	9.6	ug/L
bis(2-Chloroethyl)- ether	ND	9.6	ug/L
bis(2-Ethylhexyl) phthalate	ND	9.6	ug/L
4-Bromophenyl phenyl ether	ND	9.6	ug/L
Butyl benzyl phthalate	ND	9.6	ug/L
Caprolactam	ND	9.6	ug/L
Carbazole	ND	9.6	ug/L
4-Chloroaniline	ND	9.6	ug/L
4-Chloro-3-methylphenol	ND	9.6	ug/L
2-Chloronaphthalene	ND	9.6	ug/L
2-Chlorophenol	ND	9.6	ug/L
4-Chlorophenyl phenyl ether	ND	9.6	ug/L
Dibenzofuran	ND	9.6	ug/L
3,3'-Dichlorobenzidine	ND	48	ug/L
2,4-Dichlorophenol	ND	9.6	ug/L
Diethyl phthalate	ND	9.6	ug/L
2,4-Dimethylphenol	ND	9.6	ug/L
Dimethyl phthalate	ND	9.6	ug/L
Di-n-butyl phthalate	ND	9.6	ug/L
4,6-Dinitro- 2-methylphenol	ND	48	ug/L
2,4-Dinitrophenol	ND	48	ug/L
2,4-Dinitrotoluene	ND	9.6	ug/L
2,6-Dinitrotoluene	ND	9.6	ug/L
Di-n-octyl phthalate	ND	9.6	ug/L
Hexachlorobenzene	ND	9.6	ug/L
Hexachlorobutadiene	ND	9.6	ug/L
Hexachlorocyclopenta- diene	ND	48	ug/L

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: FB-4

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-005 Work Order #....: JW0NW1AA Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	9.6	ug/L
Isophorone	ND	9.6	ug/L
2-Methylnaphthalene	ND	9.6	ug/L
2-Methylphenol	ND	9.6	ug/L
4-Methylphenol	ND	9.6	ug/L
2-Nitroaniline	ND	48	ug/L
3-Nitroaniline	ND	48	ug/L
4-Nitroaniline	ND	48	ug/L
Nitrobenzene	ND	9.6	ug/L
2-Nitrophenol	ND	9.6	ug/L
4-Nitrophenol	ND	48	ug/L
N-Nitrosodi-n-propyl-amine	ND	9.6	ug/L
N-Nitrosodiphenylamine	ND	9.6	ug/L
2,2'-oxybis(1-Chloropropane)	ND	9.6	ug/L
Pentachlorophenol	ND	48	ug/L
Phenol	ND	9.6	ug/L
2,4,5-Trichloro-phenol	ND	9.6	ug/L
2,4,6-Trichloro-phenol	ND	9.6	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	75	(19 - 138)
2-Fluorobiphenyl	73	(35 - 115)
2-Fluorophenol	76	(10 - 118)
Nitrobenzene-d5	79	(39 - 115)
Phenol-d5	85	(18 - 115)
Terphenyl-d14	90	(17 - 129)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: FB-4

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-005      Work Order #....: JW0NW1AC      Matrix.....: WATER  
 Date Sampled....: 05/14/07      Date Received...: 05/15/07      MS Run #.....:  
 Prep Date.....: 05/18/07      Analysis Date...: 05/22/07  
 Prep Batch #....: 7138210      Analysis Time...: 04:53  
 Dilution Factor: 0.96

Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	0.069 J	0.19	ug/L
Acenaphthylene	ND	0.19	ug/L
Acenaphthene	0.044 J	0.19	ug/L
Fluorene	0.054 J	0.19	ug/L
Phenanthrene	0.067 J	0.19	ug/L
Anthracene	0.047 J	0.19	ug/L
Fluoranthene	0.065 J	0.19	ug/L
Pyrene	0.067 J	0.19	ug/L
Benzo (a)anthracene	0.076 J	0.19	ug/L
Chrysene	0.074 J	0.19	ug/L
Benzo (b)fluoranthene	0.069 J	0.19	ug/L
Benzo (k)fluoranthene	0.085 J	0.19	ug/L
Benzo (a)pyrene	ND	0.19	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.19	ug/L
Dibenzo(a,h)anthracene	ND	0.19	ug/L
Benzo(ghi)perylene	ND	0.19	ug/L

NOTE (S) :

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: FB-4

## GC Semivolatiles

Lot-Sample #....: C7E150154-005    Work Order #....: JW0NW1AE    Matrix.....: WATER  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/15/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7135483    Analysis Time...: 23:26  
 Dilution Factor: 0.95

Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.38	ug/L
Aroclor 1221	ND	0.38	ug/L
Aroclor 1232	ND	0.38	ug/L
Aroclor 1242	ND	0.38	ug/L
Aroclor 1248	ND	0.38	ug/L
Aroclor 1254	ND	0.38	ug/L
Aroclor 1260	ND	0.38	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	85	(45 - 120)
Decachlorobiphenyl	88	(24 - 128)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: FB-4

## TOTAL Metals

Lot-Sample #....:	C7E150154-005			Matrix.....:	WATER
Date Sampled....:	05/14/07			Date Received...:	05/15/07
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE
Prep Batch #....:	7136048				WORK ORDER #
Silver	ND	1.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AF
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Arsenic	ND	1.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AH
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Beryllium	ND	1.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AK
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Cadmium	ND	1.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AM
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Chromium	4.7 J	2.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AP
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Copper	0.32 B,J	2.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AQ
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Nickel	0.12 B	1.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AX
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Lead	0.026 B	1.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AO
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Selenium	0.39 B	5.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1AI
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Thallium	0.49 B	1.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1A2
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Antimony	0.20 B	2.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1A3
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:
Zinc	1.9 B	5.0	ug/L	SW846 6020	05/16-05/24/07 JWONW1A5
		Dilution Factor: 1		Analysis Time...: 22:07	MS Run #.....:

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**Langan Engineering & Environmental Svcs**

**Client Sample ID: FB-4**

**TOTAL Metals**

**Lot-Sample #....: C7E150154-005**

**Matrix.....: WATER**

<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>PREPARATION-</b>	<b>WORK</b>
					<b>ANALYSIS DATE</b>	<b>ORDER #</b>
<b>Prep Batch #....: 7152093</b>						
Mercury	ND	0.20	ug/L	SW846 7470A	06/01/07	JW0NW1A6
Dilution Factor: 1				Analysis Time...: 11:49	MS Run #.....: 7152054	

**NOTE(S) :**

- J Method blank contamination. The associated method blank contains the target analyte at a reportable level.  
B Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: TB-4

## GC/MS Volatiles

Lot-Sample #....: C7E150154-006    Work Order #....: JWON01AA    Matrix.....: WATER  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7141145  
 Prep Date.....: 05/21/07    Analysis Date...: 05/21/07  
 Prep Batch #....: 7141249    Analysis Time...: 17:08  
 Dilution Factor: 1  
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	1.0	ug/L
Methylene chloride	0.69 J,B	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Styrene	ND	1.0	ug/L

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: TB-4

## GC/MS Volatiles

Lot-Sample #....: C7E150154-006 Work Order #....: JWON01AA Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Toluene-d8	93	(71 - 118)	
1,2-Dichloroethane-d4	114	(64 - 135)	
4-Bromofluorobenzene	92	(70 - 118)	
Dibromofluoromethane	109	(64 - 128)	

**NOTE(S) :**

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-007    Work Order #....: JW0N11AA    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 15:19  
 Dilution Factor: 0.87  
 \* Moisture.....: 7.3    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	19	ug/kg
Benzene	ND	4.7	ug/kg
Bromodichloromethane	ND	4.7	ug/kg
Bromoform	ND	4.7	ug/kg
Bromomethane	ND	4.7	ug/kg
2-Butanone	ND	4.7	ug/kg
Carbon disulfide	ND	4.7	ug/kg
Carbon tetrachloride	ND	4.7	ug/kg
Chlorobenzene	ND	4.7	ug/kg
Chloroethane	ND	4.7	ug/kg
Chloroform	ND	4.7	ug/kg
Chloromethane	ND	4.7	ug/kg
Cyclohexane	ND	4.7	ug/kg
Dibromochloromethane	ND	4.7	ug/kg
1,2-Dibromo-3-chloro-propane	ND	4.7	ug/kg
1,2-Dibromoethane	ND	4.7	ug/kg
1,3-Dichlorobenzene	ND	4.7	ug/kg
1,4-Dichlorobenzene	ND	4.7	ug/kg
1,2-Dichlorobenzene	ND	4.7	ug/kg
Dichlorodifluoromethane	ND	4.7	ug/kg
1,1-Dichloroethane	ND	4.7	ug/kg
1,2-Dichloroethane	ND	4.7	ug/kg
1,1-Dichloroethene	ND	4.7	ug/kg
cis-1,2-Dichloroethene	ND	4.7	ug/kg
trans-1,2-Dichloroethene	ND	4.7	ug/kg
1,2-Dichloropropane	ND	4.7	ug/kg
cis-1,3-Dichloropropene	ND	4.7	ug/kg
trans-1,3-Dichloropropene	ND	4.7	ug/kg
Ethylbenzene	ND	4.7	ug/kg
2-Hexanone	ND	4.7	ug/kg
Isopropylbenzene	ND	4.7	ug/kg
Methyl acetate	ND	4.7	ug/kg
Methylene chloride	ND	4.7	ug/kg
Methylcyclohexane	ND	4.7	ug/kg
4-Methyl-2-pentanone	ND	4.7	ug/kg
Methyl tert-butyl ether	ND	4.7	ug/kg
Styrene	ND	4.7	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-007 Work Order #....: JW0N11AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	4.7	ug/kg
1,2,4-Trichloro- benzene	ND	4.7	ug/kg
Tetrachloroethene	ND	4.7	ug/kg
1,1,1-Trichloroethane	ND	4.7	ug/kg
1,1,2-Trichloroethane	ND	4.7	ug/kg
Trichloroethene	ND	4.7	ug/kg
Trichlorofluoromethane	ND	4.7	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	4.7	ug/kg
Toluene	ND	4.7	ug/kg
Vinyl chloride	ND	4.7	ug/kg
Xylenes (total)	ND	14	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	87	(52 - 124)	
Toluene-d8	105	(72 - 127)	
4-Bromofluorobenzene	88	(63 - 120)	
Dibromofluoromethane	91	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-007    Work Order #....: JW0N11AC    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/11/07  
 Prep Batch #....: 7138010    Analysis Time...: 14:01  
 Dilution Factor: 1  
 \* Moisture.....: 7.3    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetophenone	ND	360	ug/kg
Atrazine	ND	360	ug/kg
Benzaldehyde	ND	360	ug/kg
1,1'-Biphenyl	ND	360	ug/kg
bis(2-Chloroethoxy) methane	ND	360	ug/kg
bis(2-Chloroethyl)- ether	ND	360	ug/kg
bis(2-Ethylhexyl) phthalate	130 J	360	ug/kg
4-Bromophenyl phenyl ether	ND	360	ug/kg
Butyl benzyl phthalate	45 J	360	ug/kg
Caprolactam	ND	360	ug/kg
Carbazole	120 J	360	ug/kg
4-Chloroaniline	ND	360	ug/kg
4-Chloro-3-methylphenol	ND	360	ug/kg
2-Chloronaphthalene	ND	360	ug/kg
2-Chlorophenol	ND	360	ug/kg
4-Chlorophenyl phenyl ether	ND	360	ug/kg
Dibenzofuran	55 J	360	ug/kg
3,3'-Dichlorobenzidine	ND	1700	ug/kg
2,4-Dichlorophenol	ND	360	ug/kg
Diethyl phthalate	ND	360	ug/kg
2,4-Dimethylphenol	ND	360	ug/kg
Dimethyl phthalate	ND	360	ug/kg
Di-n-butyl phthalate	ND	360	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1700	ug/kg
2,4-Dinitrophenol	ND	1700	ug/kg
2,4-Dinitrotoluene	ND	360	ug/kg
2,6-Dinitrotoluene	ND	360	ug/kg
Di-n-octyl phthalate	51 J	360	ug/kg
Hexachlorobenzene	ND	360	ug/kg
Hexachlorobutadiene	ND	360	ug/kg
Hexachlorocyclopenta- diene	ND	1700	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-007 Work Order #....: JW0N11AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	360	ug/kg
Isophorone	ND	360	ug/kg
<b>2-Methylnaphthalene</b>	<b>25 J</b>	<b>360</b>	<b>ug/kg</b>
2-Methylphenol	ND	360	ug/kg
4-Methylphenol	ND	360	ug/kg
2-Nitroaniline	ND	1700	ug/kg
3-Nitroaniline	ND	1700	ug/kg
4-Nitroaniline	ND	1700	ug/kg
Nitrobenzene	ND	360	ug/kg
2-Nitrophenol	ND	360	ug/kg
4-Nitrophenol	ND	1700	ug/kg
N-Nitrosodi-n-propyl- amine	ND	360	ug/kg
N-Nitrosodiphenylamine	ND	360	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	360	ug/kg
Pentachlorophenol	ND	1700	ug/kg
Phenol	ND	360	ug/kg
2,4,5-Trichloro- phenol	ND	360	ug/kg
2,4,6-Trichloro- phenol	ND	360	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	71	(21 - 144)
2-Fluorobiphenyl	71	(26 - 128)
2-Fluorophenol	58	(34 - 115)
Nitrobenzene-d5	58	(30 - 118)
Phenol-d5	67	(35 - 117)
Terphenyl-d14	96	(40 - 115)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-007    Work Order #....: JW0N11AD    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 08:44  
 Dilution Factor: 2  
 \* Moisture.....: 7.3    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	43	14	ug/kg
Acenaphthylene	46	14	ug/kg
Acenaphthene	120	14	ug/kg
Fluorene	78	14	ug/kg
Phenanthrene	660	14	ug/kg
Anthracene	230	14	ug/kg
Fluoranthene	1100	14	ug/kg
Pyrene	810	14	ug/kg
Benzo (a)anthracene	650	14	ug/kg
Chrysene	640	14	ug/kg
Benzo (b)fluoranthene	770	14	ug/kg
Benzo (k)fluoranthene	350	14	ug/kg
Benzo (a)pyrene	630	14	ug/kg
Indeno(1,2,3-cd)pyrene	450	14	ug/kg
Dibenzo(a,h)anthracene	140	14	ug/kg
Benzo(ghi)perylene	530	14	ug/kg

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-007    Work Order #....: JW0N11A7    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 20:21  
 Dilution Factor: 1  
 \* Moisture.....: 7.3    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	18	ug/kg
Aroclor 1221	ND	18	ug/kg
Aroclor 1232	ND	18	ug/kg
Aroclor 1242	ND	18	ug/kg
Aroclor 1248	ND	18	ug/kg
<b>Aroclor 1254</b>	<b>43</b>	<b>18</b>	<b>ug/kg</b>
Aroclor 1260	ND	18	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u>	
		<u>LIMITS</u>	
Tetrachloro-m-xylene	87	(31 - 127)	
Decachlorobiphenyl	85	(23 - 141)	

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## TOTAL Metals

Lot-Sample #....: C7E150154-007

Date Sampled....: 05/14/07

Date Received...: 05/15/07

% Moisture.....: 7.3

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	7136254					
Silver	0.070 B	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWON11AF	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Arsenic	2.9	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWON11AH	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Beryllium	0.64	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWON11AK	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Cadmium	0.49	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWON11AM	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Chromium	202 J	0.22	mg/kg	SW846 6020	05/17-05/24/07 JWON11AP	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Copper	14.2 J	0.22	mg/kg	SW846 6020	05/17-05/24/07 JWON11AQ	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Nickel	9.8 J	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWON11AX	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Lead	58.1	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWON11AO	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Selenium	0.60	0.54	mg/kg	SW846 6020	05/17-05/24/07 JWON11AL	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Thallium	0.12 J	0.11	mg/kg	SW846 6020	05/17-05/24/07 JWON11A2	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Antimony	0.19 B,J	0.22	mg/kg	SW846 6020	05/17-05/24/07 JWON11A3	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140
Zinc	178 J	0.54	mg/kg	SW846 6020	05/17-05/24/07 JWON11AS	
		Dilution Factor: 1		Analysis Time...: 23:46	MS Run #.....:	7136140

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

## TOTAL Metals

Lot-Sample #....: C7E150154-007

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....:	7156123					
Mercury	0.16	0.036	mg/kg	SW846 7471A	06/05/07	JWON11A6
		Dilution Factor: 1		Analysis Time...: 14:23	MS Run #.....:	7156072

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-1\_1.5-2.0

General Chemistry

Lot-Sample #....: C7E150154-007    Work Order #....: JW0N1    Matrix.....: SOLID  
Date Sampled....: 05/14/07    Date Received...: 05/15/07  
% Moisture.....: 7.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
			%	MCAWW 160.3 MOD	<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	92.7				05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time...: 15:10	MS Run #.....:	7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-008    Work Order #....: JW0N21AK    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 15:43  
 Dilution Factor: 0.91  
 % Moisture.....: 12    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	21	ug/kg
Benzene	ND	5.1	ug/kg
Bromodichloromethane	ND	5.1	ug/kg
Bromoform	ND	5.1	ug/kg
Bromomethane	ND	5.1	ug/kg
2-Butanone	ND	5.1	ug/kg
Carbon disulfide	ND	5.1	ug/kg
Carbon tetrachloride	ND	5.1	ug/kg
Chlorobenzene	ND	5.1	ug/kg
Chloroethane	ND	5.1	ug/kg
Chloroform	ND	5.1	ug/kg
Chloromethane	ND	5.1	ug/kg
Cyclohexane	ND	5.1	ug/kg
Dibromochloromethane	ND	5.1	ug/kg
1,2-Dibromo-3-chloro-propane	ND	5.1	ug/kg
1,2-Dibromoethane	ND	5.1	ug/kg
1,3-Dichlorobenzene	ND	5.1	ug/kg
1,4-Dichlorobenzene	ND	5.1	ug/kg
1,2-Dichlorobenzene	ND	5.1	ug/kg
Dichlorodifluoromethane	ND	5.1	ug/kg
1,1-Dichloroethane	ND	5.1	ug/kg
1,2-Dichloroethane	ND	5.1	ug/kg
1,1-Dichloroethene	ND	5.1	ug/kg
cis-1,2-Dichloroethene	ND	5.1	ug/kg
trans-1,2-Dichloroethene	ND	5.1	ug/kg
1,2-Dichloropropane	ND	5.1	ug/kg
cis-1,3-Dichloropropene	ND	5.1	ug/kg
trans-1,3-Dichloropropene	ND	5.1	ug/kg
Ethylbenzene	ND	5.1	ug/kg
2-Hexanone	ND	5.1	ug/kg
Isopropylbenzene	ND	5.1	ug/kg
Methyl acetate	ND	5.1	ug/kg
Methylene chloride	0.92 J	5.1	ug/kg
Methylcyclohexane	ND	5.1	ug/kg
4-Methyl-2-pentanone	ND	5.1	ug/kg
Methyl tert-butyl ether	ND	5.1	ug/kg
Styrene	ND	5.1	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-008 Work Order #....: JW0N21AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg
1,2,4-Trichloro- benzene	ND	5.1	ug/kg
Tetrachloroethene	ND	5.1	ug/kg
1,1,1-Trichloroethane	ND	5.1	ug/kg
1,1,2-Trichloroethane	ND	5.1	ug/kg
Trichloroethene	ND	5.1	ug/kg
Trichlorofluoromethane	ND	5.1	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.1	ug/kg
Toluene	ND	5.1	ug/kg
Vinyl chloride	ND	5.1	ug/kg
Xylenes (total)	ND	15	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	89	(52 - 124)	
Toluene-d8	105	(72 - 127)	
4-Bromofluorobenzene	91	(63 - 120)	
Dibromofluoromethane	92	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-008    Work Order #....: JW0N21AL    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/08/07  
 Prep Batch #....: 7138010    Analysis Time...: 17:18  
 Dilution Factor: 1  
 % Moisture.....: 12    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	370	ug/kg
Atrazine	ND	370	ug/kg
Benzaldehyde	ND	370	ug/kg
1,1'-Biphenyl	31 J	370	ug/kg
bis(2-Chloroethoxy) methane	ND	370	ug/kg
bis(2-Chloroethyl)- ether	ND	370	ug/kg
bis(2-Ethylhexyl) phthalate	ND	370	ug/kg
4-Bromophenyl phenyl ether	ND	370	ug/kg
Butyl benzyl phthalate	ND	370	ug/kg
Caprolactam	ND	370	ug/kg
Carbazole	370	370	ug/kg
4-Chloroaniline	ND	370	ug/kg
4-Chloro-3-methylphenol	ND	370	ug/kg
2-Chloronaphthalene	ND	370	ug/kg
2-Chlorophenol	ND	370	ug/kg
4-Chlorophenyl phenyl ether	ND	370	ug/kg
Dibenzofuran	240 J	370	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
2,4-Dichlorophenol	ND	370	ug/kg
Diethyl phthalate	ND	370	ug/kg
2,4-Dimethylphenol	ND	370	ug/kg
Dimethyl phthalate	ND	370	ug/kg
Di-n-butyl phthalate	ND	370	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1800	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
2,4-Dinitrotoluene	ND	370	ug/kg
2,6-Dinitrotoluene	ND	370	ug/kg
Di-n-octyl phthalate	ND	370	ug/kg
Hexachlorobenzene	ND	370	ug/kg
Hexachlorobutadiene	ND	370	ug/kg
Hexachlorocyclopenta- diene	ND	1800	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-008 Work Order #....: JW0N21AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	370	ug/kg
Isophorone	ND	370	ug/kg
<b>2-Methylnaphthalene</b>	<b>120 J</b>	<b>370</b>	<b>ug/kg</b>
2-Methylphenol	ND	370	ug/kg
4-Methylphenol	ND	370	ug/kg
2-Nitroaniline	ND	1800	ug/kg
3-Nitroaniline	ND	1800	ug/kg
4-Nitroaniline	ND	1800	ug/kg
Nitrobenzene	ND	370	ug/kg
2-Nitrophenol	ND	370	ug/kg
4-Nitrophenol	ND	1800	ug/kg
N-Nitrosodi-n-propyl-amine	ND	370	ug/kg
N-Nitrosodiphenylamine	ND	370	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	370	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenol	ND	370	ug/kg
2,4,5-Trichloro-phenol	ND	370	ug/kg
2,4,6-Trichloro-phenol	ND	370	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	66	(21 - 144)
2-Fluorobiphenyl	63	(26 - 128)
2-Fluorophenol	57	(34 - 115)
Nitrobenzene-d5	54	(30 - 118)
Phenol-d5	60	(35 - 117)
Terphenyl-d14	84	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-008    Work Order #....: JW0N21AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 09:12  
 Dilution Factor: 5  
 % Moisture.....: 12    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	160	38	ug/kg
Acenaphthylene	39	38	ug/kg
Acenaphthene	470	38	ug/kg
Fluorene	330	38	ug/kg
Phenanthrene	2300	38	ug/kg
Anthracene	700	38	ug/kg
Fluoranthene	3000	38	ug/kg
Pyrene	2200	38	ug/kg
Benzo(a)anthracene	1700	38	ug/kg
Chrysene	1700	38	ug/kg
Benzo(b)fluoranthene	1900	38	ug/kg
Benzo(k)fluoranthene	860	38	ug/kg
Benzo(a)pyrene	1600	38	ug/kg
Indeno(1,2,3-cd)pyrene	1100	38	ug/kg
Dibenzo(a,h)anthracene	350	38	ug/kg
Benzo(ghi)perylene	1300	38	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-008    Work Order #....: JW0N21AJ    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 20:44  
 Dilution Factor: 1  
 % Moisture.....: 12    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
<b>Aroclor 1232</b>	<b>190</b>	<b>19</b>	<b>ug/kg</b>
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
<b>Aroclor 1254</b>	<b>190</b>	<b>19</b>	<b>ug/kg</b>
Aroclor 1260	ND	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	82	(31 - 127)	
Decachlorobiphenyl	80	(23 - 141)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## TOTAL Metals

Lot-Sample #....: C7E150154-008

Date Sampled...: 05/14/07

Date Received...: 05/15/07

Matrix.....: SOLID

% Moisture....: 12

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7136254						
Silver	0.051 B	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON21AP	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Arsenic	4.0	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON21AR	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Beryllium	0.48	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON21AU	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Cadmium	0.42	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON21AW	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Chromium	499 J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWON21A0	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Copper	17.6 J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWON21A1	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Nickel	11.0 J	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON21A7	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Lead	40.0	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON21AA	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Selenium	0.54 B	0.57	mg/kg	SW846 6020		05/17-05/24/07 JWON21AC	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Thallium	0.061 B,J	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON21AD	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Antimony	0.13 B,J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWON21AE	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	
Zinc	119 J	0.57	mg/kg	SW846 6020		05/17-05/24/07 JWON21AG	
		Dilution Factor: 1		Analysis Time...: 23:51		MS Run #.....: 7136140	

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

## TOTAL Metals

Lot-Sample #....: C7E150154-008

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....:	7156123					
Mercury	0.36	0.037	mg/kg	SW846 7471A	06/05/07	JW0N21AH
		Dilution Factor:	1	Analysis Time...: 14:25	MS Run #.....:	7156072

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-1\_12.5-13.0

General Chemistry

Lot-Sample #....: C7E150154-008    Work Order #....: JW0N2    Matrix.....: SOLID  
Date Sampled...: 05/14/07    Date Received..: 05/15/07  
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	88.5		%	MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time..: 15:10		MS Run #.....: 7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-009    Work Order #....: JW0N31AK    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #:.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 16:07  
 Dilution Factor: 0.91  
 \* Moisture.....: 8.5    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	20	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
2-Butanone	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
Cyclohexane	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg
1,2-Dibromoethane	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	5.0	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	5.0	ug/kg
trans-1,2-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
cis-1,3-Dichloropropene	ND	5.0	ug/kg
trans-1,3-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
2-Hexanone	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
Methyl acetate	ND	5.0	ug/kg
Methylene chloride	1.6 J	5.0	ug/kg
Methylcyclohexane	ND	5.0	ug/kg
4-Methyl-2-pentanone	ND	5.0	ug/kg
Methyl tert-butyl ether	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-009 Work Order #....: JWON31AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	5.0	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Xylenes (total)	ND	15	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	91	(52 - 124)	
Toluene-d8	109	(72 - 127)	
4-Bromofluorobenzene	97	(63 - 120)	
Dibromofluoromethane	95	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-009    Work Order #....: JW0N31AL    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/08/07  
 Prep Batch #....: 7138010    Analysis Time...: 17:42  
 Dilution Factor: 1  
 % Moisture.....: 8.5    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	360	ug/kg
Atrazine	ND	360	ug/kg
Benzaldehyde	ND	360	ug/kg
1,1'-Biphenyl	ND	360	ug/kg
bis(2-Chloroethoxy) methane	ND	360	ug/kg
bis(2-Chloroethyl)- ether	ND	360	ug/kg
bis(2-Ethylhexyl) phthalate	ND	360	ug/kg
4-Bromophenyl phenyl ether	ND	360	ug/kg
Butyl benzyl phthalate	ND	360	ug/kg
Caprolactam	ND	360	ug/kg
Carbazole	ND	360	ug/kg
4-Chloroaniline	ND	360	ug/kg
4-Chloro-3-methylphenol	ND	360	ug/kg
2-Chloronaphthalene	ND	360	ug/kg
2-Chlorophenol	ND	360	ug/kg
4-Chlorophenyl phenyl ether	ND	360	ug/kg
Dibenzofuran	ND	360	ug/kg
3,3'-Dichlorobenzidine	ND	1700	ug/kg
2,4-Dichlorophenol	ND	360	ug/kg
Diethyl phthalate	ND	360	ug/kg
2,4-Dimethylphenol	ND	360	ug/kg
Dimethyl phthalate	ND	360	ug/kg
Di-n-butyl phthalate	ND	360	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1700	ug/kg
2,4-Dinitrophenol	ND	1700	ug/kg
2,4-Dinitrotoluene	ND	360	ug/kg
2,6-Dinitrotoluene	ND	360	ug/kg
Di-n-octyl phthalate	ND	360	ug/kg
Hexachlorobenzene	ND	360	ug/kg
Hexachlorobutadiene	ND	360	ug/kg
Hexachlorocyclopenta- diene	ND	1700	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #...: C7E150154-009 Work Order #...: JW0N31AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	360	ug/kg
Isophorone	ND	360	ug/kg
2-Methylnaphthalene	ND	360	ug/kg
2-Methylphenol	ND	360	ug/kg
4-Methylphenol	ND	360	ug/kg
2-Nitroaniline	ND	1700	ug/kg
3-Nitroaniline	ND	1700	ug/kg
4-Nitroaniline	ND	1700	ug/kg
Nitrobenzene	ND	360	ug/kg
2-Nitrophenol	ND	360	ug/kg
4-Nitrophenol	ND	1700	ug/kg
N-Nitrosodi-n-propyl-amine	ND	360	ug/kg
N-Nitrosodiphenylamine	ND	360	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	360	ug/kg
Pentachlorophenol	ND	1700	ug/kg
Phenol	ND	360	ug/kg
2,4,5-Trichloro-phenol	ND	360	ug/kg
2,4,6-Trichloro-phenol	ND	360	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	67	(21 - 144)
2-Fluorobiphenyl	74	(26 - 128)
2-Fluorophenol	62	(34 - 115)
Nitrobenzene-d5	55	(30 - 118)
Phenol-d5	71	(35 - 117)
Terphenyl-d14	93	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-009    Work Order #....: JW0N31AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 09:40  
 Dilution Factor: 2  
 % Moisture.....: 8.5    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	9.4 J	15	ug/kg
Acenaphthylene	50	15	ug/kg
Acenaphthene	11 J	15	ug/kg
Fluorene	22	15	ug/kg
Phenanthrene	160	15	ug/kg
Anthracene	67	15	ug/kg
Fluoranthene	260	15	ug/kg
Pyrene	210	15	ug/kg
Benzo(a)anthracene	110	15	ug/kg
Chrysene	120	15	ug/kg
Benzo(b)fluoranthene	130	15	ug/kg
Benzo(k)fluoranthene	49	15	ug/kg
Benzo(a)pyrene	110	15	ug/kg
Indeno(1,2,3-cd)pyrene	73	15	ug/kg
Dibenzo(a,h)anthracene	22	15	ug/kg
Benzo(ghi)perylene	86	15	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-009    Work Order #....: JW0N31AJ    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 21:07  
 Dilution Factor: 1  
 % Moisture.....: 8.5    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	18	ug/kg
Aroclor 1221	ND	18	ug/kg
Aroclor 1232	ND	18	ug/kg
Aroclor 1242	ND	18	ug/kg
Aroclor 1248	ND	18	ug/kg
Aroclor 1254	ND	18	ug/kg
Aroclor 1260	ND	18	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	88	(31 - 127)
Decachlorobiphenyl	90	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## TOTAL Metals

Lot-Sample #....: C7E150154-009

Date Sampled...: 05/14/07

Date Received...: 05/15/07

Matrix.....: SOLID

\* Moisture.....: 8.5

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7136254						
Silver	0.019 B	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON31AP	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Arsenic	3.3	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON31AR	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Beryllium	0.41	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON31AU	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Cadmium	0.16	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON31AW	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Chromium	11.1 J	0.22	mg/kg	SW846 6020		05/17-05/24/07 JWON31AO	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Copper	8.2 J	0.22	mg/kg	SW846 6020		05/17-05/24/07 JWON31A1	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Nickel	9.3 J	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON31A7	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Lead	8.0	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON31AA	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Selenium	0.62	0.55	mg/kg	SW846 6020		05/17-05/24/07 JWON31AC	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Thallium	0.032 B,J	0.11	mg/kg	SW846 6020		05/17-05/24/07 JWON31AD	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Antimony	0.035 B,J	0.22	mg/kg	SW846 6020		05/17-05/24/07 JWON31AE	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140
Zinc	27.8 J	0.55	mg/kg	SW846 6020		05/17-05/24/07 JWON31AG	
		Dilution Factor: 1			Analysis Time...: 23:55		MS Run #.....: 7136140

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

## TOTAL Metals

Lot-Sample #....: C7E150154-009

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #....: 7156123</b>						
Mercury	ND	0.036	mg/kg	SW846 7471A	06/05/07	JW0N31AH
Dilution Factor: 1 Analysis Time...: 14:26 MS Run #.....: 7156072						

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-7\_1.5-2.0

General Chemistry

Lot-Sample #....: C7E150154-009    Work Order #....: JW0N3    Matrix.....: SOLID  
Date Sampled...: 05/14/07    Date Received..: 05/15/07  
% Moisture.....: 8.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
			%		ANALYSIS DATE	BATCH #
Percent Solids	91.5		%	MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time...: 15:10	MS Run #.....:	7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## GC/MS Volatiles

Lot-Sample #....: C7E150154-010    Work Order #....: JW0N41AK    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/18/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7138067    Analysis Time...: 10:14  
 Dilution Factor: 0.99  
 \* Moisture.....: 14    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	23	ug/kg
Benzene	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
Bromomethane	ND	5.7	ug/kg
2-Butanone	ND	5.7	ug/kg
Carbon disulfide	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Chloroethane	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
Chloromethane	ND	5.7	ug/kg
Cyclohexane	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,2-Dibromo-3-chloro-propane	ND	5.7	ug/kg
1,2-Dibromoethane	ND	5.7	ug/kg
1,3-Dichlorobenzene	ND	5.7	ug/kg
1,4-Dichlorobenzene	ND	5.7	ug/kg
1,2-Dichlorobenzene	ND	5.7	ug/kg
Dichlorodifluoromethane	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
1,1-Dichloroethene	ND	5.7	ug/kg
cis-1,2-Dichloroethene	ND	5.7	ug/kg
trans-1,2-Dichloroethene	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
2-Hexanone	ND	5.7	ug/kg
Isopropylbenzene	ND	5.7	ug/kg
Methyl acetate	ND	5.7	ug/kg
Methylene chloride	ND	5.7	ug/kg
Methylcyclohexane	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	5.7	ug/kg
Methyl tert-butyl ether	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## GC/MS Volatiles

Lot-Sample #....: C7E150154-010 Work Order #....: JW0N41AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
1,2,4-Trichloro- benzene	ND	5.7	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Trichlorofluoromethane	ND	5.7	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Vinyl chloride	ND	5.7	ug/kg
Xylenes (total)	ND	17	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	62	(52 - 124)
Toluene-d8	108	(72 - 127)
4-Bromofluorobenzene	91	(63 - 120)
Dibromofluoromethane	80	(68 - 121)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-010    Work Order #....: JW0N41AL    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/08/07  
 Prep Batch #....: 7138010    Analysis Time...: 18:06  
 Dilution Factor: 1  
 \* Moisture.....: 14    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetophenone	ND	380	ug/kg
Atrazine	ND	380	ug/kg
Benzaldehyde	ND	380	ug/kg
1,1'-Biphenyl	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
bis(2-Chloroethyl)- ether	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
Caprolactam	ND	380	ug/kg
Carbazole	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Dibenzofuran	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1900	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
2,4-Dinitrotoluene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
Hexachlorocyclopenta- diene	ND	1900	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-010 Work Order #....: JW0N41AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
2-Nitroaniline	ND	1900	ug/kg
3-Nitroaniline	ND	1900	ug/kg
4-Nitroaniline	ND	1900	ug/kg
Nitrobenzene	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
4-Nitrophenol	ND	1900	ug/kg
N-Nitrosodi-n-propyl-amine	ND	380	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	380	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenol	ND	380	ug/kg
2,4,5-Trichloro-phenol	ND	380	ug/kg
2,4,6-Trichloro-phenol	ND	380	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	53	(21 - 144)
2-Fluorobiphenyl	55	(26 - 128)
2-Fluorophenol	46	(34 - 115)
Nitrobenzene-d5	44	(30 - 118)
Phenol-d5	51	(35 - 117)
Terphenyl-d14	79	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-010    Work Order #....: JW0N41AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 10:08  
 Dilution Factor: 1  
 \* Moisture.....: 14    Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Naphthalene	26	7.7	ug/kg
Acenaphthylene	72	7.7	ug/kg
Acenaphthene	60	7.7	ug/kg
Fluorene	87	7.7	ug/kg
Phenanthrene	280	7.7	ug/kg
Anthracene	100	7.7	ug/kg
Fluoranthene	280	7.7	ug/kg
Pyrene	210	7.7	ug/kg
Benzo (a)anthracene	140	7.7	ug/kg
Chrysene	150	7.7	ug/kg
Benzo (b)fluoranthene	210	7.7	ug/kg
Benzo (k)fluoranthene	95	7.7	ug/kg
Benzo (a)pyrene	180	7.7	ug/kg
Indeno(1,2,3-cd)pyrene	130	7.7	ug/kg
Dibenzo (a,h)anthracene	39	7.7	ug/kg
Benzo (ghi)perylene	140	7.7	ug/kg

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## GC Semivolatiles

Lot-Sample #....: C7E150154-010    Work Order #....: JW0N41AJ    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 21:30  
 Dilution Factor: 1  
 \* Moisture.....: 14    Method.....: SW846 8082

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	ND	19	ug/kg
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
Aroclor 1254	ND	19	ug/kg
Aroclor 1260	ND	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	80	(31 - 127)
Decachlorobiphenyl	86	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## TOTAL Metals

Lot-Sample #....: C7E150154-010

Date Sampled...: 05/14/07

Date Received...: 05/15/07

Matrix.....: SOLID

\* Moisture.....: 14

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7136254						
Silver	0.018 B	0.12	mg/kg	SW846 6020		05/17-05/24/07 JWON41AP	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Arsenic	2.9	0.12	mg/kg	SW846 6020		05/17-05/24/07 JWON41AR	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Beryllium	0.39	0.12	mg/kg	SW846 6020		05/17-05/24/07 JWON41AU	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Cadmium	0.14	0.12	mg/kg	SW846 6020		05/17-05/24/07 JWON41AW	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Chromium	10.4 J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWON41AO	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Copper	8.7 J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWON41A1	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Nickel	9.7 J	0.12	mg/kg	SW846 6020		05/17-05/24/07 JWON41A7	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Lead	11.8	0.12	mg/kg	SW846 6020		05/17-05/24/07 JWON41AA	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Selenium	0.42 B	0.58	mg/kg	SW846 6020		05/17-05/24/07 JWON41AC	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Thallium	0.040 B,J	0.12	mg/kg	SW846 6020		05/17-05/24/07 JWON41AD	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Antimony	0.034 B,J	0.23	mg/kg	SW846 6020		05/17-05/24/07 JWON41AK	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	
Zinc	28.4 J	0.58	mg/kg	SW846 6020		05/17-05/24/07 JWON41AG	
		Dilution Factor: 1		Analysis Time...: 23:59		MS Run #.....: 7136140	

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

## TOTAL Metals

Lot-Sample #....: C7E150154-010

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #....: 7156123</b>						
Mercury	ND	0.038	mg/kg	SW846 7471A Dilution Factor: 1	06/05/07 Analysis Time...: 14:32	JWON41AH MS Run #.....: 7156072

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-7\_4.0-4.5

General Chemistry

Lot-Sample #....: C7E150154-010    Work Order #....: JW0N4    Matrix.....: SOLID  
Date Sampled...: 05/14/07              Date Received..: 05/15/07  
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	86.3		%	MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time...: 15:10		MS Run #.....: 7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-011    Work Order #....: JW0N51AK    Matrix.....: SOLID  
 Date Sampled...: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/18/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7138067    Analysis Time...: 10:38  
 Dilution Factor: 1.07  
 \* Moisture.....: 13    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	25	ug/kg
Benzene	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
Bromomethane	ND	6.2	ug/kg
2-Butanone	ND	6.2	ug/kg
Carbon disulfide	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Chloroethane	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
Chloromethane	ND	6.2	ug/kg
Cyclohexane	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,2-Dibromo-3-chloro-propane	ND	6.2	ug/kg
1,2-Dibromoethane	ND	6.2	ug/kg
1,3-Dichlorobenzene	ND	6.2	ug/kg
1,4-Dichlorobenzene	ND	6.2	ug/kg
1,2-Dichlorobenzene	ND	6.2	ug/kg
Dichlorodifluoromethane	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
cis-1,2-Dichloroethene	ND	6.2	ug/kg
trans-1,2-Dichloroethene	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
2-Hexanone	ND	6.2	ug/kg
Isopropylbenzene	ND	6.2	ug/kg
Methyl acetate	ND	6.2	ug/kg
Methylene chloride	ND	6.2	ug/kg
Methylcyclohexane	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	6.2	ug/kg
Methyl tert-butyl ether	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-011 Work Order #....: JW0N51AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
1,2,4-Trichloro- benzene	ND	6.2	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Trichlorofluoromethane	ND	6.2	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Vinyl chloride	ND	6.2	ug/kg
Xylenes (total)	ND	18	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	65	(52 - 124)	
Toluene-d8	111	(72 - 127)	
4-Bromofluorobenzene	88	(63 - 120)	
Dibromofluoromethane	82	(68 - 121)	

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-011    Work Order #....: JWON51AL    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/09/07  
 Prep Batch #....: 7138010    Analysis Time...: 08:29  
 Dilution Factor: 4  
 \* Moisture.....: 13    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetophenone	ND	1500	ug/kg
Atrazine	ND	1500	ug/kg
Benzaldehyde	ND	1500	ug/kg
1,1'-Biphenyl	160 J	1500	ug/kg
bis(2-Chloroethoxy) methane	ND	1500	ug/kg
bis(2-Chloroethyl)- ether	ND	1500	ug/kg
bis(2-Ethylhexyl) phthalate	ND	1500	ug/kg
4-Bromophenyl phenyl ether	ND	1500	ug/kg
Butyl benzyl phthalate	ND	1500	ug/kg
Caprolactam	ND	1500	ug/kg
Carbazole	2600	1500	ug/kg
4-Chloroaniline	ND	1500	ug/kg
4-Chloro-3-methylphenol	ND	1500	ug/kg
2-Chloronaphthalene	ND	1500	ug/kg
2-Chlorophenol	ND	1500	ug/kg
4-Chlorophenyl phenyl ether	ND	1500	ug/kg
Dibenzofuran	1300 J	1500	ug/kg
3,3'-Dichlorobenzidine	ND	7400	ug/kg
2,4-Dichlorophenol	ND	1500	ug/kg
Diethyl phthalate	ND	1500	ug/kg
2,4-Dimethylphenol	ND	1500	ug/kg
Dimethyl phthalate	ND	1500	ug/kg
Di-n-butyl phthalate	ND	1500	ug/kg
4,6-Dinitro- 2-methylphenol	ND	7400	ug/kg
2,4-Dinitrophenol	ND	7400	ug/kg
2,4-Dinitrotoluene	ND	1500	ug/kg
2,6-Dinitrotoluene	ND	1500	ug/kg
Di-n-octyl phthalate	ND	1500	ug/kg
Hexachlorobenzene	ND	1500	ug/kg
Hexachlorobutadiene	ND	1500	ug/kg
Hexachlorocyclopenta- diene	ND	7400	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-011 Work Order #....: JW0N51AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	1500	ug/kg
Isophorone	ND	1500	ug/kg
<b>2-Methylnaphthalene</b>	<b>530 J</b>	<b>1500</b>	<b>ug/kg</b>
2-Methylphenol	ND	1500	ug/kg
4-Methylphenol	ND	1500	ug/kg
2-Nitroaniline	ND	7400	ug/kg
3-Nitroaniline	ND	7400	ug/kg
4-Nitroaniline	ND	7400	ug/kg
Nitrobenzene	ND	1500	ug/kg
2-Nitrophenol	ND	1500	ug/kg
4-Nitrophenol	ND	7400	ug/kg
N-Nitrosodi-n-propyl-amine	ND	1500	ug/kg
N-Nitrosodiphenylamine	ND	1500	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	1500	ug/kg
Pentachlorophenol	ND	7400	ug/kg
Phenol	ND	1500	ug/kg
2,4,5-Trichloro-phenol	ND	1500	ug/kg
2,4,6-Trichloro-phenol	ND	1500	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	52	(21 - 144)
2-Fluorobiphenyl	50	(26 - 128)
2-Fluorophenol	43	(34 - 115)
Nitrobenzene-d5	46	(30 - 118)
Phenol-d5	53	(35 - 117)
Terphenyl-d14	53	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-011    Work Order #....: JW0N51AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 10:36  
 Dilution Factor: 50  
 † Moisture.....: 13    Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	930	380	ug/kg
Acenaphthylene	790	380	ug/kg
Acenaphthene	4000	380	ug/kg
Fluorene	3100	380	ug/kg
Phenanthrene	22000	380	ug/kg
Anthracene	8200	380	ug/kg
Fluoranthene	34000	380	ug/kg
Pyrene	27000	380	ug/kg
Benzo(a)anthracene	20000	380	ug/kg
Chrysene	19000	380	ug/kg
Benzo(b)fluoranthene	24000	380	ug/kg
Benzo(k)fluoranthene	11000	380	ug/kg
Benzo(a)pyrene	20000	380	ug/kg
Indeno(1,2,3-cd)pyrene	13000	380	ug/kg
Dibenzo(a,h)anthracene	4200	380	ug/kg
Benzo(ghi)perylene	15000	380	ug/kg

NOTE(S) :


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Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-011    Work Order #....: JW0N51AJ    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 21:53  
 Dilution Factor: 1  
 \* Moisture.....: 13    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	3700	19	ug/kg
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
Aroclor 1254	ND	19	ug/kg
Aroclor 1260	260	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u>	
		<u>LIMITS</u>	
Tetrachloro-m-xylene	70	(31 - 127)	
Decachlorobiphenyl	109	(23 - 141)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## TOTAL Metals

Lot-Sample #...: C7E150154-011  
 Date Sampled...: 05/14/07  
 % Moisture.....: 13

Matrix.....: SOLID

Date Received...: 05/15/07

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #...: 7136254							
Silver	0.12	0.11	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AP	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Arsenic	4.0	0.11	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AR	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Beryllium	2.0	0.11	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AU	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Cadmium	1.4	0.11	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AW	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Chromium	35.5 J	0.23	mg/kg	SW846 6020		05/17-05/25/07 JW0N51A0	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Copper	137 J	0.23	mg/kg	SW846 6020		05/17-05/25/07 JW0N51A1	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Nickel	20.4 J	0.11	mg/kg	SW846 6020		05/17-05/25/07 JW0N51A7	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Lead	431	0.11	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AA	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Selenium	0.59	0.57	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AC	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Thallium	0.095 B,J	0.11	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AD	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Antimony	0.29 J	0.23	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AE	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	
Zinc	696 J	0.57	mg/kg	SW846 6020		05/17-05/25/07 JW0N51AG	
		Dilution Factor: 1			Analysis Time...: 00:03	MS Run #.....: 7136140	

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

## TOTAL Metals

Lot-Sample #....: C7E150154-011

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	7156123					
Mercury	0.12	0.038	mg/kg	SW846 7471A	06/05/07	JW0N51AH
		Dilution Factor: 1		Analysis Time...: 14:34	MS Run #.....:	7156072

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-4\_1.5-2.0

General Chemistry

Lot-Sample #....: C7E150154-011    Work Order #....: JW0N5                      Matrix.....: SOLID  
Date Sampled...: 05/14/07              Date Received..: 05/15/07  
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	87.0		%	MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1		Analysis Time..: 15:10	MS Run #.....: 7135154

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-012    Work Order #....: JW0N71AK    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....:  
 Prep Date.....: 05/18/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7138067    Analysis Time...: 11:01  
 Dilution Factor: 0.86  
 % Moisture.....: 13    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	20	ug/kg
Benzene	ND	4.9	ug/kg
Bromodichloromethane	ND	4.9	ug/kg
Bromoform	ND	4.9	ug/kg
Bromomethane	ND	4.9	ug/kg
2-Butanone	ND	4.9	ug/kg
Carbon disulfide	ND	4.9	ug/kg
Carbon tetrachloride	ND	4.9	ug/kg
Chlorobenzene	ND	4.9	ug/kg
Chloroethane	ND	4.9	ug/kg
Chloroform	ND	4.9	ug/kg
Chloromethane	ND	4.9	ug/kg
Cyclohexane	ND	4.9	ug/kg
Dibromochloromethane	ND	4.9	ug/kg
1,2-Dibromo-3-chloro- propane	ND	4.9	ug/kg
1,2-Dibromoethane	ND	4.9	ug/kg
1,3-Dichlorobenzene	ND	4.9	ug/kg
1,4-Dichlorobenzene	ND	4.9	ug/kg
1,2-Dichlorobenzene	ND	4.9	ug/kg
Dichlorodifluoromethane	ND	4.9	ug/kg
1,1-Dichloroethane	ND	4.9	ug/kg
1,2-Dichloroethane	ND	4.9	ug/kg
1,1-Dichloroethene	ND	4.9	ug/kg
cis-1,2-Dichloroethene	ND	4.9	ug/kg
trans-1,2-Dichloroethene	ND	4.9	ug/kg
1,2-Dichloropropane	ND	4.9	ug/kg
cis-1,3-Dichloropropene	ND	4.9	ug/kg
trans-1,3-Dichloropropene	ND	4.9	ug/kg
Ethylbenzene	ND	4.9	ug/kg
2-Hexanone	ND	4.9	ug/kg
Isopropylbenzene	ND	4.9	ug/kg
Methyl acetate	ND	4.9	ug/kg
Methylene chloride	ND	4.9	ug/kg
Methylcyclohexane	ND	4.9	ug/kg
4-Methyl-2-pentanone	ND	4.9	ug/kg
Methyl tert-butyl ether	ND	4.9	ug/kg
Styrene	ND	4.9	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## GC/MS Volatiles

Lot-Sample #....: C7E150154-012 Work Order #....: JW0N71AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	4.9	ug/kg
1,2,4-Trichloro- benzene	ND	4.9	ug/kg
Tetrachloroethene	ND	4.9	ug/kg
1,1,1-Trichloroethane	ND	4.9	ug/kg
1,1,2-Trichloroethane	ND	4.9	ug/kg
Trichloroethene	ND	4.9	ug/kg
Trichlorofluoromethane	ND	4.9	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	4.9	ug/kg
Toluene	ND	4.9	ug/kg
Vinyl chloride	ND	4.9	ug/kg
Xylenes (total)	ND	15	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	75	(52 - 124)
Toluene-d8	108	(72 - 127)
4-Bromofluorobenzene	90	(63 - 120)
Dibromofluoromethane	86	(68 - 121)

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-012    Work Order #....: JW0N71AL    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138002  
 Prep Date.....: 05/18/07    Analysis Date...: 06/09/07  
 Prep Batch #....: 7138010    Analysis Time...: 08:51  
 Dilution Factor: 1  
 \* Moisture.....: 13    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetophenone	ND	380	ug/kg
Atrazine	ND	380	ug/kg
Benzaldehyde	ND	380	ug/kg
1,1'-Biphenyl	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
bis(2-Chloroethyl)- ether	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
Caprolactam	ND	380	ug/kg
Carbazole	76 J	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Dibenzofuran	30 J	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1800	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
2,4-Dinitrotoluene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
Hexachlorocyclopenta- diene	ND	1800	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-012 Work Order #....: JWON71AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
3-Nitroaniline	ND	1800	ug/kg
4-Nitroaniline	ND	1800	ug/kg
Nitrobenzene	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
4-Nitrophenol	ND	1800	ug/kg
N-Nitrosodi-n-propyl-amine	ND	380	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenol	ND	380	ug/kg
2,4,5-Trichloro-phenol	ND	380	ug/kg
2,4,6-Trichloro-phenol	ND	380	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	70	(21 - 144)
2-Fluorobiphenyl	62	(26 - 128)
2-Fluorophenol	64	(34 - 115)
Nitrobenzene-d5	58	(30 - 118)
Phenol-d5	67	(35 - 117)
Terphenyl-d14	86	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## GC/MS Semivolatiles

Lot-Sample #....: C7E150154-012    Work Order #....: JW0N71AM    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7138003  
 Prep Date.....: 05/18/07    Analysis Date...: 05/19/07  
 Prep Batch #....: 7138011    Analysis Time...: 11:04  
 Dilution Factor: 10  
 % Moisture.....: 13    Method.....: SW846 8270C SIM

PARAMETER	REPORTING		
	RESULT	LIMIT	UNITS
Naphthalene	ND	77	ug/kg
Acenaphthylene	180	77	ug/kg
Acenaphthene	120	77	ug/kg
Fluorene	160	77	ug/kg
Phenanthrene	1000	77	ug/kg
Anthracene	470	77	ug/kg
Fluoranthene	1900	77	ug/kg
Pyrene	1500	77	ug/kg
Benzo(a)anthracene	1200	77	ug/kg
Chrysene	1100	77	ug/kg
Benzo(b)fluoranthene	1200	77	ug/kg
Benzo(k)fluoranthene	520	77	ug/kg
Benzo(a)pyrene	1000	77	ug/kg
Indeno(1,2,3-cd)pyrene	680	77	ug/kg
Dibenzo(a,h)anthracene	220	77	ug/kg
Benzo(ghi)perylene	790	77	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## GC Semivolatiles

Lot-Sample #....: C7E150154-012    Work Order #....: JW0N71AJ    Matrix.....: SOLID  
 Date Sampled....: 05/14/07    Date Received...: 05/15/07    MS Run #.....: 7137006  
 Prep Date.....: 05/17/07    Analysis Date...: 05/18/07  
 Prep Batch #....: 7137013    Analysis Time...: 22:17  
 Dilution Factor: 1  
 % Moisture.....: 13    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
<b>Aroclor 1232</b>	<b>610</b>	<b>19</b>	<b>ug/kg</b>
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
Aroclor 1254	ND	19	ug/kg
<b>Aroclor 1260</b>	<b>81</b>	<b>19</b>	<b>ug/kg</b>

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	79	(31 - 127)
Decachlorobiphenyl	86	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## TOTAL Metals

Lot-Sample #....: C7E150154-012

Date Sampled...: 05/14/07

Date Received...: 05/15/07

Matrix.....: SOLID

% Moisture....: 13

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7136254						
Silver	0.055 B	0.11	mg/kg	SW846 6020		05/17-05/25/07 JWON71AP	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Arsenic	2.6	0.11	mg/kg	SW846 6020		05/17-05/25/07 JWON71AR	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Beryllium	1.2	0.11	mg/kg	SW846 6020		05/17-05/25/07 JWON71AU	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Cadmium	0.52	0.11	mg/kg	SW846 6020		05/17-05/25/07 JWON71AW	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Chromium	18.0 J	0.23	mg/kg	SW846 6020		05/17-05/25/07 JWON71A0	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Copper	92.0 J	0.23	mg/kg	SW846 6020		05/17-05/25/07 JWON71A1	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Nickel	13.3 J	0.11	mg/kg	SW846 6020		05/17-05/25/07 JWON71A7	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Lead	160	0.11	mg/kg	SW846 6020		05/17-05/25/07 JWON71AA	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Selenium	0.54 B	0.57	mg/kg	SW846 6020		05/17-05/25/07 JWON71AC	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Thallium	0.074 B,J	0.11	mg/kg	SW846 6020		05/17-05/25/07 JWON71AD	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Antimony	0.14 B,J	0.23	mg/kg	SW846 6020		05/17-05/25/07 JWON71AE	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	
Zinc	538 J	0.57	mg/kg	SW846 6020		05/17-05/25/07 JWON71AG	
		Dilution Factor: 1		Analysis Time...: 00:07		MS Run #.....: 7136140	

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

## TOTAL Metals

Lot-Sample #...: C7E150154-012

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7156123						
Mercury	0.020 B	0.038	mg/kg	SW846 7471A	06/05/07	JW0N71AH
		Dilution Factor: 1		Analysis Time..: 14:35	MS Run #.....:	7156072

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: AETP-4\_5.5-6.0

General Chemistry

Lot-Sample #....: C7E150154-012    Work Order #....: JW0N7    Matrix.....: SOLID  
Date Sampled...: 05/14/07    Date Received..: 05/15/07  
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	87.0	%		MCAWW 160.3 MOD	05/15-05/16/07	7135235
		Dilution Factor:	1	Analysis Time..: 15:10	MS Run #.....:	7135154

**METHOD BLANK REPORT**

**GC/MS Volatiles**

**Client Lot #....:** C7E150154  
**MB Lot-Sample #:** C7E170000-087

**Work Order #....:** JW5CA1AA

**Matrix.....:** SOLID

**Analysis Date...:** 05/17/07  
**Dilution Factor:** 1

**Prep Date.....:** 05/17/07  
**Prep Batch #....:** 7137087

**Analysis Time..:** 07:03

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
Cyclohexane	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methyl acetate	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methylcyclohexane	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B

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**METHOD BLANK REPORT**

**GC/MS Volatiles**

**Client Lot #....: C7E150154**

**Work Order #....: JW5CA1AA**

**Matrix.....: SOLID**

<b>PARAMETER</b>	<b>REPORTING</b>			
	<b>RESULT</b>	<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	15	ug/kg	SW846 8260B
<b>SURROGATE</b>	<b>PERCENT</b>	<b>RECOVERY</b>		
	<b>RECOVERY</b>	<b>LIMITS</b>		
1,2-Dichloroethane-d4	89	(52 - 124)		
Toluene-d8	101	(72 - 127)		
4-Bromofluorobenzene	102	(63 - 120)		
Dibromofluoromethane	88	(68 - 121)		

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E150154  
 MB Lot-Sample #: C7E180000-067  
 Analysis Date...: 05/18/07  
 Dilution Factor: 1

Work Order #....: JW73X1AA

Matrix.....: SOLID

Prep Date.....: 05/18/07  
 Prep Batch #: 7138067

Analysis Time...: 06:41

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
Cyclohexane	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methyl acetate	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methylcyclohexane	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B

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**METHOD BLANK REPORT**

**GC/MS Volatiles**

**Client Lot #....: C7E150154**

**Work Order #....: JW73X1AA**

**Matrix.....: SOLID**

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloro-	ND	5.0	ug/kg	SW846 8260B
1,2,2-trifluoroethane				
Toluene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	15	ug/kg	SW846 8260B
<u>SURROGATE</u>	<u>PERCENT</u>	RECOVERY		
		<u>RECOVERY</u>	<u>LIMITS</u>	
1,2-Dichloroethane-d4	86	(52 - 124)		
Toluene-d8	104	(72 - 127)		
4-Bromofluorobenzene	98	(63 - 120)		
Dibromofluoromethane	92	(68 - 121)		

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E150154  
 MB Lot-Sample #: C7E210000-249

Work Order #....: JXDJA1AA

Matrix.....: WATER

Analysis Date...: 05/21/07  
 Dilution Factor: 1

Prep Date.....: 05/21/07  
 Prep Batch #: 7141249

Analysis Time...: 09:49

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	1.0	ug/L	SW846 8260B
Methylene chloride	0.28 J	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B

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## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E150154

Work Order #....: JXDJA1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	RECOVERY		
		<u>LIMITS</u>		
Toluene-d8	105	(71 - 118)		
1,2-Dichloroethane-d4	104	(64 - 135)		
4-Bromofluorobenzene	100	(70 - 118)		
Dibromofluoromethane	115	(64 - 128)		

## NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

**METHOD BLANK REPORT**

**GC/MS Semivolatiles**

**Client Lot #....:** C7E150154  
**MB Lot-Sample #:** C7E180000-010  
**Analysis Date..:** 06/08/07  
**Dilution Factor:** 1

**Work Order #....:** JW7071AA

**Matrix.....:** SOLID

**Prep Date.....:** 05/18/07  
**Prep Batch #....:** 7138010

**Analysis Time...:** 13:16

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetophenone	ND	330	ug/kg	SW846 8270C
Atrazine	ND	330	ug/kg	SW846 8270C
Benzaldehyde	ND	330	ug/kg	SW846 8270C
1,1'-Biphenyl	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethyl)- ether	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
Caprolactam	ND	330	ug/kg	SW846 8270C
Carbazole	ND	330	ug/kg	SW846 8270C
4-Chloroaniline	ND	330	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270C
2-Choronaphthalene	ND	330	ug/kg	SW846 8270C
2-Chlorophenol	ND	330	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Dibenzofuran	ND	330	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	330	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270C
Hexachlorocyclopenta- diene	ND	1600	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
Isophorone	ND	330	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270C

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## METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #....: C7E150154

Work Order #....: JW7071AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2-Methylphenol	ND	330	ug/kg	SW846 8270C
4-Methylphenol	ND	330	ug/kg	SW846 8270C
2-Nitroaniline	ND	1600	ug/kg	SW846 8270C
3-Nitroaniline	ND	1600	ug/kg	SW846 8270C
4-Nitroaniline	ND	1600	ug/kg	SW846 8270C
Nitrobenzene	ND	1600	ug/kg	SW846 8270C
2-Nitrophenol	ND	330	ug/kg	SW846 8270C
4-Nitrophenol	ND	330	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl- amine	ND	1600	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270C
2,2'-oxybis(1-Chloropropene)	ND	330	ug/kg	SW846 8270C
Pentachlorophenol	ND	1600	ug/kg	SW846 8270C
Phenol	ND	330	ug/kg	SW846 8270C
2,4,5-Trichloro- phenol	ND	330	ug/kg	SW846 8270C
2,4,6-Trichloro- phenol	ND	330	ug/kg	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	63	(21 - 144)
2-Fluorobiphenyl	53	(26 - 128)
2-Fluorophenol	52	(34 - 115)
Nitrobenzene-d5	50	(30 - 118)
Phenol-d5	57	(35 - 117)
Terphenyl-d14	81	(40 - 115)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #....: C7E150154  
 MB Lot-Sample #: C7E180000-205

Work Order #....: JW8LR1AA

Matrix.....: WATER

Analysis Date...: 05/21/07  
 Dilution Factor: 1

Prep Date.....: 05/18/07  
 Prep Batch #....: 7138205

Analysis Time...: 04:09

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetophenone	ND	10	ug/L	SW846 8270C
Atrazine	ND	10	ug/L	SW846 8270C
Benzaldehyde	ND	10	ug/L	SW846 8270C
1,1'-Biphenyl	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)- ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
Caprolactam	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta- diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C

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## METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #....: C7E150154

Work Order #....: JW8LR1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	50	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro- phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro- phenol	ND	10	ug/L	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	78	(19 - 138)
2-Fluorobiphenyl	81	(35 - 115)
2-Fluorophenol	79	(10 - 118)
Nitrobenzene-d5	81	(39 - 115)
Phenol-d5	89	(18 - 115)
Terphenyl-d14	91	(17 - 129)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: C7E150154  
MB Lot-Sample #: C7E180000-011

Work Order #....: JW7081AA

Matrix.....: SOLID

Analysis Date...: 05/19/07  
Dilution Factor: 1

Prep Date.....: 05/18/07  
Prep Batch #....: 7138011

Analysis Time...: 06:23

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Naphthalene	ND	6.7	ug/kg	SW846 8270C SIM
Acenaphthylene	ND	6.7	ug/kg	SW846 8270C SIM
Acenaphthene	ND	6.7	ug/kg	SW846 8270C SIM
Fluorene	ND	6.7	ug/kg	SW846 8270C SIM
Phenanthrene	ND	6.7	ug/kg	SW846 8270C SIM
Anthracene	ND	6.7	ug/kg	SW846 8270C SIM
Fluoranthene	ND	6.7	ug/kg	SW846 8270C SIM
Pyrene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(a)anthracene	ND	6.7	ug/kg	SW846 8270C SIM
Chrysene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(b)fluoranthene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(k)fluoranthene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(a)pyrene	ND	6.7	ug/kg	SW846 8270C SIM
Indeno(1,2,3-cd)pyrene	ND	6.7	ug/kg	SW846 8270C SIM
Dibenzo(a,h)anthracene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(ghi)perylene	ND	6.7	ug/kg	SW846 8270C SIM

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**GC/MS Semivolatiles**

**Client Lot #....:** C7E150154  
**MB Lot-Sample #:** C7E180000-210  
**Analysis Date..:** 05/22/07  
**Dilution Factor:** 1

**Work Order #....:** JW8L91AA

**Matrix.....:** WATER

**Prep Date.....:** 05/18/07  
**Prep Batch #....:** 7138210

**Analysis Time...:** 04:25

<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING</b>		
		<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Naphthalene	ND	0.20	ug/L	SW846 8270C SIM
Acenaphthylene	ND	0.20	ug/L	SW846 8270C SIM
Acenaphthene	ND	0.20	ug/L	SW846 8270C SIM
Fluorene	ND	0.20	ug/L	SW846 8270C SIM
Phenanthrene	ND	0.20	ug/L	SW846 8270C SIM
Anthracene	ND	0.20	ug/L	SW846 8270C SIM
Fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Pyrene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Chrysene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C SIM
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C SIM
Dibenzo(a,h)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C SIM

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**GC Semivolatiles**

**Client Lot #....:** C7E150154  
**MB Lot-Sample #:** C7E150000-483

**Work Order #....:** JW1001AA

**Matrix.....:** WATER

**Analysis Date...:** 05/19/07  
**Dilution Factor:** 1

**Prep Date.....:** 05/15/07  
**Prep Batch #....:** 7135483

**Analysis Time...:** 00:35

<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING</b>		
		<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Aroclor 1016	ND	0.40	ug/L	SW846 8082
Aroclor 1221	ND	0.40	ug/L	SW846 8082
Aroclor 1232	ND	0.40	ug/L	SW846 8082
Aroclor 1242	ND	0.40	ug/L	SW846 8082
Aroclor 1248	ND	0.40	ug/L	SW846 8082
Aroclor 1254	ND	0.40	ug/L	SW846 8082
Aroclor 1260	ND	0.40	ug/L	SW846 8082

<b>SURROGATE</b>	<b>PERCENT</b>	<b>RECOVERY</b>	
		<b>RECOVERY</b>	<b>LIMITS</b>
Tetrachloro-m-xylene	84	(45 - 120)	
Decachlorobiphenyl	92	(24 - 128)	

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**GC Semivolatiles**

**Client Lot #....:** C7E150154  
**MB Lot-Sample #:** C7E170000-013

**Work Order #....:** JW4761AA

**Matrix.....:** SOLID

**Analysis Date..:** 05/18/07  
**Dilution Factor:** 1

**Prep Date.....:** 05/17/07  
**Prep Batch #....:** 7137013

**Analysis Time...:** 22:40

<b>PARAMETER</b>	<b>REPORTING</b>			
	<b>RESULT</b>	<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Aroclor 1016	ND	17	ug/kg	SW846 8082
Aroclor 1221	ND	17	ug/kg	SW846 8082
Aroclor 1232	ND	17	ug/kg	SW846 8082
Aroclor 1242	ND	17	ug/kg	SW846 8082
Aroclor 1248	ND	17	ug/kg	SW846 8082
Aroclor 1254	ND	17	ug/kg	SW846 8082
Aroclor 1260	ND	17	ug/kg	SW846 8082

<b>SURROGATE</b>	<b>PERCENT</b>		<b>RECOVERY</b>	
	<b>RECOVERY</b>	<b>LIMITS</b>		
Tetrachloro-m-xylene	88	(31 - 127)		
Decachlorobiphenyl	91	(23 - 141)		

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: C7E150154

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #: C7E160000-048 Prep Batch #...: 7136048</b>						
Silver	ND	1.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AA
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Arsenic	ND	1.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AD
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Beryllium	ND	1.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AF
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Cadmium	ND	1.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AH
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Chromium	0.81 B	2.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AK
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Copper	0.19 B	2.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AL
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Nickel	ND	1.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AT
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Lead	ND	1.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AU
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Selenium	ND	5.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AV
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Thallium	ND	1.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AW
		Dilution Factor: 1				
		Analysis Time...: 21:54				
Antimony	ND	2.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1AX
		Dilution Factor: 1				
		Analysis Time...: 21:54				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C7E150154

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	ND	5.0	ug/L	SW846 6020	05/16-05/24/07	JW2DR1A1	
		Dilution Factor: 1					
		Analysis Time...: 21:54					

MB Lot-Sample #: C7F010000-093 Prep Batch #...: 7152093

Mercury	ND	0.20	ug/L	SW846 7470A	06/01/07	JX3W71AA
		Dilution Factor: 1				
		Analysis Time...: 11:46				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: C7E150154

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #:</b> C7E160000-254 <b>Prep Batch #:</b> 7136254						
Silver	ND	0.10	mg/kg	SW846 6020	05/17-05/24/07	JW2481AF
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Arsenic	ND	0.10	mg/kg	SW846 6020	05/17-05/24/07	JW2481AH
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Beryllium	ND	0.10	mg/kg	SW846 6020	05/17-05/24/07	JW2481AK
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Cadmium	ND	0.10	mg/kg	SW846 6020	05/17-05/24/07	JW2481AM
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Chromium	0.0081 B	0.20	mg/kg	SW846 6020	05/17-05/24/07	JW2481AP
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Copper	0.0086 B	0.20	mg/kg	SW846 6020	05/17-05/24/07	JW2481AA
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Nickel	0.014 B	0.10	mg/kg	SW846 6020	05/17-05/24/07	JW2481AW
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Lead	ND	0.10	mg/kg	SW846 6020	05/17-05/24/07	JW2481AX
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Selenium	ND	0.50	mg/kg	SW846 6020	05/17-05/24/07	JW2481A0
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Thallium	0.0094 B	0.10	mg/kg	SW846 6020	05/17-05/24/07	JW2481A1
		Dilution Factor: 1				
		Analysis Time...: 22:11				
Antimony	0.011 B	0.20	mg/kg	SW846 6020	05/17-05/24/07	JW2481A2
		Dilution Factor: 1				
		Analysis Time...: 22:11				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: C7E150154

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	0.037 B	0.50	mg/kg	SW846 6020	05/17-05/24/07	JW2481AC	
		Dilution Factor: 1					
		Analysis Time...: 22:11					

MB Lot-Sample #: C7F050000-123 Prep Batch #....: 7156123

Mercury	ND	0.033	mg/kg	SW846 7471A	06/05/07	JX9G61AA
		Dilution Factor: 1				
		Analysis Time...: 14:06				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

## GC/MS Volatiles

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>
Benzene	88	(77 - 120)		SW846 8260B
	89	(77 - 120)	0.70	(0-20) SW846 8260B
Chlorobenzene	95	(79 - 120)		SW846 8260B
	96	(79 - 120)	0.39	(0-20) SW846 8260B
1,1-Dichloroethene	83	(59 - 129)		SW846 8260B
	83	(59 - 129)	0.28	(0-25) SW846 8260B
Trichloroethene	87	(76 - 119)		SW846 8260B
	87	(76 - 119)	0.25	(0-21) SW846 8260B
Toluene	93	(78 - 124)		SW846 8260B
	92	(78 - 124)	0.82	(0-21) SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	88	(52 - 124)
Toluene-d8	88	(52 - 124)
	99	(72 - 127)
4-Bromofluorobenzene	94	(72 - 127)
	98	(63 - 120)
Dibromofluoromethane	93	(63 - 120)
	89	(68 - 121)
	87	(68 - 121)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Bold print denotes control parameters**

# **LABORATORY CONTROL SAMPLE EVALUATION REPORT**

## GC/MS Volatiles

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>		<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	
Benzene	89	(77 - 120)			SW846 8260B
	90	(77 - 120)	0.60	(0-20)	SW846 8260B
Chlorobenzene	97	(79 - 120)			SW846 8260B
	97	(79 - 120)	0.76	(0-20)	SW846 8260B
1,1-Dichloroethene	84	(59 - 129)			SW846 8260B
	82	(59 - 129)	2.2	(0-25)	SW846 8260B
Trichloroethene	88	(76 - 119)			SW846 8260B
	88	(76 - 119)	0.61	(0-21)	SW846 8260B
Toluene	93	(78 - 124)			SW846 8260B
	93	(78 - 124)	0.66	(0-21)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	84	(52 - 124)
Toluene-d8	86	(52 - 124)
4-Bromofluorobenzene	96	(72 - 127)
Dibromofluoromethane	95	(72 - 127)
	93	(63 - 120)
	94	(63 - 120)
	86	(68 - 121)
	87	(68 - 121)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Bold print denotes control parameters**

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC/MS Volatiles**

**Client Lot #....:** C7E150154    **Work Order #....:** JXDJA1AC    **Matrix.....:** WATER  
**LCS Lot-Sample#:** C7E210000-249  
**Prep Date.....:** 05/21/07    **Analysis Date...:** 05/21/07  
**Prep Batch #....:** 7141249    **Analysis Time...:** 10:46  
**Dilution Factor:** 1

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
Benzene	102	(80 - 120)	SW846 8260B
Chlorobenzene	102	(80 - 120)	SW846 8260B
1,1-Dichloroethene	119	(65 - 136)	SW846 8260B
Trichloroethene	102	(73 - 120)	SW846 8260B
Toluene	104	(80 - 123)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
Toluene-d8	107	(71 - 118)	
1,2-Dichloroethane-d4	93	(64 - 135)	
4-Bromofluorobenzene	93	(70 - 118)	
Dibromofluoromethane	105	(64 - 128)	

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Semivolatiles

Client Lot #....: C7E150154      Work Order #....: JW7071AC      Matrix.....: SOLID  
 LCS Lot-Sample#: C7E180000-010  
 Prep Date.....: 05/18/07      Analysis Date...: 06/11/07  
 Prep Batch #....: 7138010      Analysis Time...: 12:30  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
1,2,4-Trichloro-benzene	70	(37 - 111)	<b>SW846 8270C</b>
1,4-Dichlorobenzene	70	(36 - 107)	<b>SW846 8270C</b>
Acenaphthene	73	(38 - 112)	<b>SW846 8270C</b>
4-Bromophenyl phenyl ether	79	(46 - 120)	<b>SW846 8270C</b>
Pyrene	80	(43 - 118)	<b>SW846 8270C</b>
Butyl benzyl phthalate	81	(47 - 115)	<b>SW846 8270C</b>
4-Chloro-3-methylphenol	76	(39 - 111)	<b>SW846 8270C</b>
2-Chlorophenol	75	(38 - 109)	<b>SW846 8270C</b>
Naphthalene	77	(44 - 109)	<b>SW846 8270C</b>
2,4-Dinitrotoluene	76	(35 - 117)	<b>SW846 8270C</b>
Hexachloroethane	70	(40 - 106)	<b>SW846 8270C</b>
4-Methylphenol	74	(41 - 117)	<b>SW846 8270C</b>
4-Nitrophenol	81	(30 - 125)	<b>SW846 8270C</b>
N-Nitrosodi-n-propyl-amine	73	(36 - 114)	<b>SW846 8270C</b>
Pentachlorophenol	58	(21 - 127)	<b>SW846 8270C</b>
Phenol	73	(36 - 110)	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	86	(21 - 144)
2-Fluorobiphenyl	74	(26 - 128)
2-Fluorophenol	68	(34 - 115)
Nitrobenzene-d5	73	(30 - 118)
Phenol-d5	73	(35 - 117)
Terphenyl-d14	90	(40 - 115)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC/MS Semivolatiles**

Client Lot #....: C7E150154      Work Order #....: JW8LR1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: C7E180000-205      JW8LR1AD-LCSD  
 Prep Date.....: 05/18/07      Analysis Date...: 05/21/07  
 Prep Batch #....: 7138205      Analysis Time...: 04:36  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS		RPD	METHOD
		(39 - 97)	RPD		
1,2,4-Trichloro-benzene	67	(39 - 97)	0.59	(0-32)	SW846 8270C
	67	(39 - 97)	0.59	(0-32)	SW846 8270C
1,4-Dichlorobenzene	66	(38 - 94)			SW846 8270C
	64	(38 - 94)	2.5	(0-33)	SW846 8270C
Acenaphthene	72	(40 - 97)			SW846 8270C
	69	(40 - 97)	4.8	(0-32)	SW846 8270C
4-Bromophenyl phenyl ether	72	(40 - 105)			SW846 8270C
	70	(40 - 105)	3.1	(0-40)	SW846 8270C
Pyrene	73	(39 - 108)			SW846 8270C
	70	(39 - 108)	4.8	(0-38)	SW846 8270C
Butyl benzyl phthalate	73	(39 - 105)			SW846 8270C
	68	(39 - 105)	6.0	(0-35)	SW846 8270C
4-Chloro-3-methylphenol	73	(38 - 100)			SW846 8270C
	70	(38 - 100)	4.2	(0-32)	SW846 8270C
2-Chlorophenol	69	(38 - 97)			SW846 8270C
	65	(38 - 97)	6.6	(0-31)	SW846 8270C
Naphthalene	69	(38 - 98)			SW846 8270C
	68	(38 - 98)	2.6	(0-39)	SW846 8270C
2,4-Dinitrotoluene	77	(37 - 103)			SW846 8270C
	72	(37 - 103)	5.9	(0-32)	SW846 8270C
Hexachloroethane	67	(35 - 96)			SW846 8270C
	63	(35 - 96)	5.2	(0-43)	SW846 8270C
4-Methylphenol	66	(33 - 106)			SW846 8270C
	63	(33 - 106)	4.9	(0-34)	SW846 8270C
4-Nitrophenol	82	(30 - 112)			SW846 8270C
	75	(30 - 112)	8.4	(0-39)	SW846 8270C
N-Nitrosodi-n-propyl-amine	68	(36 - 102)			SW846 8270C
	64	(36 - 102)	6.1	(0-36)	SW846 8270C
Pentachlorophenol	81	(13 - 120)			SW846 8270C
	77	(13 - 120)	4.8	(0-56)	SW846 8270C
Phenol	70	(36 - 98)			SW846 8270C
	65	(36 - 98)	6.5	(0-35)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: C7E150154      Work Order #....: JW8LR1AC-LCS      Matrix.....: WATER  
LCS Lot-Sample#: C7E180000-205                                    JW8LR1AD-LCSD

<u>SURROGATE</u>	PERCENT	RECOVERY
	<u>RECOVERY</u>	<u>LIMITS</u>
2,4,6-Tribromophenol	78	(19 - 138)
	75	(19 - 138)
2-Fluorobiphenyl	68	(35 - 115)
	68	(35 - 115)
2-Fluorophenol	66	(10 - 118)
	63	(10 - 118)
Nitrobenzene-d5	68	(39 - 115)
	66	(39 - 115)
Phenol-d5	73	(18 - 115)
	69	(18 - 115)
Terphenyl-d14	77	(17 - 129)
	73	(17 - 129)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

GC Semivolatiles

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>
Aroclor 1016	76	(60 - 110)		SW846 8082
	75	(60 - 110)	0.85	(0-27) SW846 8082
Aroclor 1260	80	(60 - 111)		SW846 8082
	81	(60 - 111)	1.3	(0-24) SW846 8082

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	84	(45 - 120)
	86	(45 - 120)
Decachlorobiphenyl	93	(24 - 128)
	96	(24 - 128)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Bold print denotes control parameters**

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC Semivolatiles**

**Client Lot #....:** C7E150154      **Work Order #....:** JW4761AC      **Matrix.....:** SOLID  
**LCS Lot-Sample#:** C7E170000-013  
**Prep Date.....:** 05/17/07      **Analysis Date...:** 05/18/07  
**Prep Batch #....:** 7137013      **Analysis Time...:** 23:03  
**Dilution Factor:** 1

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
Aroclor 1016	73	(55 - 117)	SW846 8082
Aroclor 1260	79	(54 - 117)	SW846 8082
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>PERCENT</u>	<u>RECOVERY</u>
Tetrachloro-m-xylene		87	(31 - 127)
Decachlorobiphenyl		96	(23 - 141)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: C7E150154**

**Matrix.....: WATER**

<b>PARAMETER</b>	<b>PERCENT</b>	<b>RECOVERY</b>	<b>RPD</b>	<b>METHOD</b>	<b>PREPARATION-</b>	<b>PREP-</b>
	<b>RECOVERY</b>	<b>LIMITS</b>	<b>RPD</b>		<b>ANALYSIS DATE</b>	<b>BATCH #</b>
<b>Silver</b>	102	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	101	(80 - 120)	0.99 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Arsenic</b>	91	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	95	(80 - 120)	3.7 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Beryllium</b>	89	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	90	(80 - 120)	0.69 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Cadmium</b>	95	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	95	(80 - 120)	0.38 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Chromium</b>	105	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	104	(80 - 120)	1.8 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Copper</b>	102	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	102	(80 - 120)	0.70 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Nickel</b>	102	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	101	(80 - 120)	1.3 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Lead</b>	97	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	98	(80 - 120)	1.1 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Selenium</b>	98	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	103	(80 - 120)	5.3 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		
<b>Thallium</b>	95	(80 - 120)		SW846 6020	05/16-05/24/07	7136048
	97	(80 - 120)	1.6 (0-20)	SW846 6020	05/16-05/24/07	7136048
		Dilution Factor: 1		Analysis Time...: 21:58		

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: C7E150154**

**Matrix.....: WATER**

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP-</u>	<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Antimony	93	(80 - 120)			SW846 6020			05/16-05/24/07	7136048
	93	(80 - 120) 0.28 (0-20)			SW846 6020			05/16-05/24/07	7136048
Zinc	93	(80 - 120)			SW846 6020			05/16-05/24/07	7136048
	90	(80 - 120) 2.5 (0-20)			SW846 6020			05/16-05/24/07	7136048

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #...: C7E150154**

**Matrix.....: SOLID**

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	C7E160000-254	Prep Batch #...: 7136254			
Silver	95	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481A4
		Dilution Factor: 1		Analysis Time...:	22:15
Arsenic	87	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481A6
		Dilution Factor: 1		Analysis Time...:	22:15
Beryllium	91	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481A8
		Dilution Factor: 1		Analysis Time...:	22:15
Cadmium	90	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481CA
		Dilution Factor: 1		Analysis Time...:	22:15
Chromium	96	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481CD
		Dilution Factor: 1		Analysis Time...:	22:15
Copper	97	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481AD
		Dilution Factor: 1		Analysis Time...:	22:15
Nickel	97	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481CK
		Dilution Factor: 1		Analysis Time...:	22:15
Lead	92	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481CL
		Dilution Factor: 1		Analysis Time...:	22:15
Selenium	87	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481CM
		Dilution Factor: 1		Analysis Time...:	22:15
Thallium	93	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481CN
		Dilution Factor: 1		Analysis Time...:	22:15
Antimony	90	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481CP
		Dilution Factor: 1		Analysis Time...:	22:15
Zinc	87	(80 - 120)	SW846 6020	05/17-05/24/07	JW2481AE
		Dilution Factor: 1		Analysis Time...:	22:15
LCS Lot-Sample#:	C7F050000-123	Prep Batch #...: 7156123			
Mercury	101	(80 - 120)	SW846 7471A	06/05/07	JX9G61AC
		Dilution Factor: 1		Analysis Time...:	14:11

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....:** C7E150154

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7E150154

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	C7F010000-093	Prep Batch #...:	7152093			
Mercury	98	(80 - 120)	SW846 7470A		06/01/07	JX3W71AC
		Dilution Factor: 1		Analysis Time..:	11:48	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC/MS Volatiles**

<b>Client Lot #....:</b> C7E150154	<b>Work Order #....:</b> JWNP51AV-MS	<b>Matrix.....:</b> WATER
<b>MS Lot-Sample #:</b> C7E100253-006	JWNP51AW-MSD	
<b>Date Sampled....:</b> 05/09/07	<b>Date Received..:</b> 05/10/07	<b>MS Run #.....:</b> 7141145
<b>Prep Date.....:</b> 05/21/07	<b>Analysis Date...:</b> 05/21/07	
<b>Prep Batch #....:</b> 7141249	<b>Analysis Time...:</b> 11:09	
<b>Dilution Factor:</b> 1		

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>		<u>LIMITS</u>	
Benzene	108	(73 - 120)			SW846 8260B
	105	(73 - 120)	2.6	(0-32)	SW846 8260B
Chlorobenzene	103	(80 - 120)			SW846 8260B
	102	(80 - 120)	1.1	(0-29)	SW846 8260B
1,1-Dichloroethene	119	(60 - 139)			SW846 8260B
	117	(60 - 139)	2.0	(0-48)	SW846 8260B
Trichloroethene	104	(53 - 135)			SW846 8260B
	104	(53 - 135)	0.67	(0-36)	SW846 8260B
Toluene	102	(75 - 126)			SW846 8260B
	103	(75 - 126)	1.2	(0-35)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
Toluene-d8	100		(71 - 118)
	99		(71 - 118)
1,2-Dichloroethane-d4	94		(64 - 135)
	92		(64 - 135)
4-Bromofluorobenzene	91		(70 - 118)
	96		(70 - 118)
Dibromofluoromethane	99		(64 - 128)
	98		(64 - 128)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC/MS Semivolatiles**

Client Lot #....: C7E150154	Work Order #....: JW0NM1CC-MS	Matrix.....: SOLID
MS Lot-Sample #: C7E150154-001	JW0NM1CD-MSD	
Date Sampled...: 05/14/07	Date Received..: 05/15/07	MS Run #.....: 7138002
Prep Date.....: 05/18/07	Analysis Date...: 06/11/07	
Prep Batch #....: 7138010	Analysis Time...: 13:15	
Dilution Factor: 1	% Moisture.....: 12	

PARAMETER	PERCENT RECOVERY	RECOVERY	RPD	RPD LIMITS	METHOD
		LIMITS			
1,2,4-Trichloro- benzene	67	(21 - 118)	9.9	(0-49)	SW846 8270C
	74	(21 - 118)			SW846 8270C
1,4-Dichlorobenzene	67	(20 - 105)	5.3	(0-62)	SW846 8270C
	70	(20 - 105)			SW846 8270C
Acenaphthene	74	(15 - 130)	9.6	(0-50)	SW846 8270C
	81	(15 - 130)			SW846 8270C
4-Bromophenyl phenyl ether	84	(27 - 136)	3.6	(0-48)	SW846 8270C
	87	(27 - 136)			SW846 8270C
Pyrene	86	(10 - 168)	8.9	(0-69)	SW846 8270C
	96	(10 - 168)			SW846 8270C
Butyl benzyl phthalate	87	(27 - 130)	11	(0-48)	SW846 8270C
	98	(27 - 130)			SW846 8270C
4-Chloro-3-methylphenol	78	(16 - 128)	7.7	(0-52)	SW846 8270C
	84	(16 - 128)			SW846 8270C
2-Chlorophenol	73	(16 - 120)	8.1	(0-54)	SW846 8270C
	79	(16 - 120)			SW846 8270C
Naphthalene	72	(10 - 140)	7.2	(0-56)	SW846 8270C
	78	(10 - 140)			SW846 8270C
2,4-Dinitrotoluene	80	(15 - 132)	4.3	(0-49)	SW846 8270C
	84	(15 - 132)			SW846 8270C
Hexachloroethane	61	(13 - 111)	9.7	(0-63)	SW846 8270C
	68	(13 - 111)			SW846 8270C
4-Methylphenol	73	(17 - 131)	7.5	(0-50)	SW846 8270C
	78	(17 - 131)			SW846 8270C
4-Nitrophenol	55	(10 - 154)	13	(0-88)	SW846 8270C
	63	(10 - 154)			SW846 8270C
N-Nitrosodi-n-propyl- amine	71	(30 - 118)	3.1	(0-51)	SW846 8270C
	73	(30 - 118)			SW846 8270C
Pentachlorophenol	18	(10 - 136)	77	(0-123)	SW846 8270C
	40	(10 - 136)			SW846 8270C
Phenol	73	(19 - 119)	7.6	(0-50)	SW846 8270C
	79	(19 - 119)			SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: C7E150154      Work Order #....: JW0NM1CC-MS      Matrix.....: SOLID  
MS Lot-Sample #: C7E150154-001                                    JW0NM1CD-MSD

<u>SURROGATE</u>	PERCENT	RECOVERY
	<u>RECOVERY</u>	<u>LIMITS</u>
2,4,6-Tribromophenol	82	(21 - 144)
	83	(21 - 144)
2-Fluorobiphenyl	74	(26 - 128)
	78	(26 - 128)
2-Fluorophenol	68	(34 - 115)
	75	(34 - 115)
Nitrobenzene-d5	68	(30 - 118)
	76	(30 - 118)
Phenol-d5	81	(35 - 117)
	86	(35 - 117)
Terphenyl-d14	95	(40 - 115)
	103	(40 - 115)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC Semivolatiles**

<b>Client Lot #....:</b> C7E150154	<b>Work Order #....:</b> JW0NM1A9-MS	<b>Matrix.....:</b> SOLID
<b>MS Lot-Sample #:</b> C7E150154-001	JW0NM1CA-MSD	
<b>Date Sampled....:</b> 05/14/07	<b>Date Received..:</b> 05/15/07	<b>MS Run #.....:</b> 7137006
<b>Prep Date.....:</b> 05/17/07	<b>Analysis Date...:</b> 05/18/07	
<b>Prep Batch #....:</b> 7137013	<b>Analysis Time...:</b> 18:25	
<b>Dilution Factor:</b> 1	<b>% Moisture.....:</b> 12	

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	
<b>Aroclor 1016</b>	75	(10 - 183)			SW846 8082
	72	(10 - 183)	4.5	(0-39)	SW846 8082
<b>Aroclor 1260</b>	79	(25 - 143)			SW846 8082
	74	(25 - 143)	6.0	(0-34)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	86	(31 - 127)
Decachlorobiphenyl	84	(31 - 127)
	90	(23 - 141)
	82	(23 - 141)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....: C7E150154**

**Date Sampled...: 05/10/07**

**Date Received..: 05/11/07**

**Matrix.....: SOLID**

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #: C7E110389-001 Prep Batch #....: 7136254</b>							
Silver	91	(75 - 125)		SW846 6020		<b>* Moisture.....: 25</b>	
	91	(75 - 125) 0.26 (0-20)		SW846 6020	Dilution Factor: 1	05/17-05/24/07 JWT171AN	
					Analysis Time...: 22:28	05/17-05/24/07 JWT171AP	
					MS Run #.....: 7136140		
Arsenic	75	(75 - 125)		SW846 6020		05/17-05/24/07 JWT171AV	
	75	(75 - 125) 0.07 (0-20)		SW846 6020	Dilution Factor: 1	05/17-05/24/07 JWT171AW	
					Analysis Time...: 22:28		
					MS Run #.....: 7136140		
Beryllium	88	(75 - 125)		SW846 6020		05/17-05/24/07 JWT171A3	
	89	(75 - 125) 0.77 (0-20)		SW846 6020	Dilution Factor: 1	05/17-05/24/07 JWT171A4	
					Analysis Time...: 22:28		
					MS Run #.....: 7136140		
Cadmium	88	(75 - 125)		SW846 6020		05/17-05/24/07 JWT171A9	
	90	(75 - 125) 1.2 (0-20)		SW846 6020	Dilution Factor: 1	05/17-05/24/07 JWT171CA	
					Analysis Time...: 22:28		
					MS Run #.....: 7136140		
Chromium	116	(75 - 125)		SW846 6020		05/17-05/24/07 JWT171CG	
	116	(75 - 125) 0.30 (0-20)		SW846 6020	Dilution Factor: 1	05/17-05/24/07 JWT171CH	
					Analysis Time...: 22:28		
					MS Run #.....: 7136140		
Copper	87	(75 - 125)		SW846 6020		05/17-05/24/07 JWT171AG	
	96	(75 - 125) 5.9 (0-20)		SW846 6020	Dilution Factor: 1	05/17-05/24/07 JWT171AH	
					Analysis Time...: 22:28		
					MS Run #.....: 7136140		
Nickel	93	(75 - 125)		SW846 6020		05/17-05/24/07 JWT171C3	
	97	(75 - 125) 3.2 (0-20)		SW846 6020	Dilution Factor: 1	05/17-05/24/07 JWT171C4	
					Analysis Time...: 22:28		
					MS Run #.....: 7136140		

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**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....:** C7E150154

**Date Sampled....:** 05/10/07

**Date Received...:** 05/11/07

**Matrix.....:** SOLID

<b>PARAMETER</b>	<b>PERCENT RECOVERY</b>	<b>RECOVERY LIMITS</b>	<b>RPD</b>	<b>RPD LIMITS</b>	<b>METHOD</b>	<b>PREPARATION-</b>	<b>WORK</b>
						<b>ANALYSIS DATE</b>	<b>ORDER #</b>
Lead	NC	(75 - 125)			SW846 6020	05/17-05/24/07	JWT171C6
	NC	(75 - 125)	(0-20)	(0-20)	SW846 6020	05/17-05/24/07	JWT171C7
				Dilution Factor: 1			
				Analysis Time...: 22:28			
				MS Run #.....: 7136140			
Selenium	88	(75 - 125)			SW846 6020	05/17-05/24/07	JWT171C9
	86	(75 - 125)	2.3	(0-20)	SW846 6020	05/17-05/24/07	JWT171DA
				Dilution Factor: 1			
				Analysis Time...: 22:28			
				MS Run #.....: 7136140			
Thallium	92	(75 - 125)			SW846 6020	05/17-05/24/07	JWT171DD
	92	(75 - 125)	0.10	(0-20)	SW846 6020	05/17-05/24/07	JWT171DE
				Dilution Factor: 1			
				Analysis Time...: 22:28			
				MS Run #.....: 7136140			
Antimony	48 N	(75 - 125)			SW846 6020	05/17-05/24/07	JWT171DG
	50 N	(75 - 125)	3.4	(0-20)	SW846 6020	05/17-05/24/07	JWT171DH
				Dilution Factor: 1			
				Analysis Time...: 22:28			
				MS Run #.....: 7136140			
Zinc	81	(75 - 125)			SW846 6020	05/17-05/24/07	JWT171AJ
	112	(75 - 125)	17	(0-20)	SW846 6020	05/17-05/24/07	JWT171AK
				Dilution Factor: 1			
				Analysis Time...: 22:28			
				MS Run #.....: 7136140			

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7E150154  
Date Sampled...: 05/14/07

Date Received...: 05/17/07

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #:</b> C7E170349-001 <b>Prep Batch #:</b> 7152093							
Mercury	110	(75 - 125)			SW846 7470A	06/01/07	JW7EC1AJ
	112	(75 - 125)	1.8	(0-20)	SW846 7470A	06/01/07	JW7EC1AK
Dilution Factor: 1							
Analysis Time...: 11:54							
MS Run #.....: 7152054							

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7E150154

Date Sampled...: 05/14/07

Date Received..: 05/15/07

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C7E150154-001 Prep Batch #....: 7156123							
Mercury	111	(75 - 125)		SW846 7471A		* Moisture.....: 12	
	111	(75 - 125) 0.0 (0-20)		SW846 7471A		06/05/07 JW0NM1CG	
		Dilution Factor: 1				06/05/07 JW0NM1CH	
		Analysis Time..: 14:15					
		MS Run #.....: 7156072					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: C7E150154      Work Order #....: JWONM-SMP      Matrix.....: SOLID

JWONM-DUP

Date Sampled...: 05/14/07

Date Received...: 05/15/07

% Moisture.....: 12

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
								<u>ANALYSIS</u>	<u>DATE</u>
							SD Lot-Sample #:		<u>BATCH #</u>
Percent Solids							C7E150154-001		
	87.6	88.9	%	1.5	(0-20)	MCAWW 160.3 MOD	05/15-05/16/07	7135235	
					Dilution Factor: 1	Analysis Time...: 15:10			MS Run Number...: 7135154